



## **RAWLINSON ROAD MIDDLE SCHOOL- Home of Raider PRIDE**



**Student Name:** \_\_\_\_\_

**Date:** April 1-17, 2020

**Course:** 7<sup>th</sup> Grade Math

**Teacher:** A. Kobos and W. Mitchell

**Teacher Office Hours:** Kobos 1pm – 3pm Mitchell 10am – noon

**Teacher Email:** [akobos@rhmail.org](mailto:akobos@rhmail.org) [wmitchell@rhamil.org](mailto:wmitchell@rhamil.org)

**Other form of contact if help is needed:** Call or text Kobos- 704.488.5131 Mitchell- 803.389.7609

### **Instructions to complete the student packet:**

Look at calendar page in the packet for daily assignment.

### **Instructions to submit work:**

Take a picture of work and email to teacher.

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### **Technology**

**Laptop issues:** please email the help desk- [helpdesk@rhmail.org](mailto:helpdesk@rhmail.org) or phone at (803)981-3531 and include the following information:

**Student ID** number (ex: RS12345)

**Parent/Guardian name**, Parent/Guardian email and phone number contact information.

**School Name / Teacher name**

**A description of the problem with the computer**

The Rock Hill Schools Technology Department Staff will be on call between the hours of 8AM - 8PM

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**Launchpad:** <https://launchpad.classlink.com/rockhill>

**Canvas:** <https://rockhill.instructure.com/login/canvas>

**\*\* For more information on remote learning, please visit:**

**RRMS website at** <https://www.rock-hill.k12.sc.us/domain/2596> or

**RHS District website at:** <https://www.rock-hill.k12.sc.us/elearning>



Monday	Tuesday	Wednesday	Thursday	Friday
		4/1  Social and Emotional Learning (turn the assignment into your counselor)	4/2  1. Complete Monday of Weekly Math Week 11  2. Read through "Classifying Angles" PowerPoint slides 6 and 9  3. Complete "Naming Angles" Worksheet	4/3  1. Complete Tuesday of Weekly Math Week 11  2. Read through "Classifying Angles" PPT slides 7, 8, and 10  3. Complete "Identifying Angles" Worksheet
4/6  Spring Break	4/7  Spring Break	4/8  Spring Break	4/9  Spring Break	4/10  Spring Break
4/13  1. Complete Wednesday of Weekly Math Week 11  2. Look over examples that are already done on worksheets (evens)  3. Complete the rest of the Supplementary and Complementary Worksheets	4/14  1. Complete Thursday of Weekly Math Week 11  2. Look over examples that are already done on worksheets (evens)  3. Complete the rest of the Vertical and Adjacent Worksheets	4/15  1. Turn in work for Weekly Math Week 11  2. Complete "Angles Review Problems" #1-8, 13-20	4/16  1. Finish all assignments  2. Turn in on Canvas	4/17  1. Finish all assignments  2. Turn in on Canvas



Name:

Weekly Math Review – Q2:7

Date:

**Monday** 4/2**Tuesday** 4/3

Solve:  
 $-25 + 4h \leq 50.52$

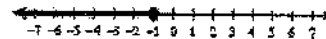
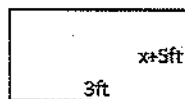
Solve:  
 $42 < 2m - 10$

Graph the inequality on a number line:

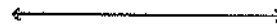
$$x \leq 4$$



Write an inequality that represents the graph below:

Write an inequality for  $x$  that would give this rectangle an area of at least  $117 \text{ ft}^2$ .

In the problem to the left, solve the inequality and represent it on the number line below.



A 12 pack of soda is roughly \$3.75. What is the cost per can of soda?

A regular #2 pencil can draw a line about 35 miles long or write roughly 45,000 words. How many words will fit in one mile?

Which equation(s) represents a proportional relationship?

- A)  $y = 7x^2$   
 B)  $y = 2 + 3x$   
 C)  $y = \frac{1}{2}x$   
 D)  $y = 5 - x$

Circle the graph that represents a proportional relationship.



A store buys shirts for \$12 each and marks up the price by 25%. What is the price for a shirt at this store?

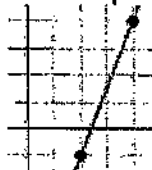
Jim borrows \$2,500 from his bank. The loan has a 5.4% annual simple interest rate. If it takes Jim two years to pay back the loan, what is the total amount he will be paying?

What is the slope between the points  $(-5, 7)$  and  $(4, -8)$ ?

What is the slope indicated in the table below?

X	0	1	2	3
Y	0	5	10	15

What is the slope below?

Find the missing value so that the two points have a slope of  $-\frac{17}{10}$ .  
 $(-3, 9)$  and  $(x, -8)$

Name:

Weekly Math Review – Q2:7

Date:

**Wednesday 4/13****Thursday 4/14**

Solve:  
 $8 - 6x > -18$

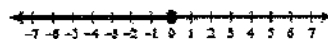
Solve:  
 $12 \geq 9(z + 2)$

Solve and graph the inequality on a number line:

$$42 > g + 27$$



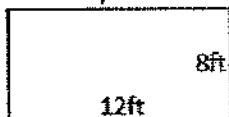
Write an inequality that represents the graph below:



A bowling alley offers unlimited bowling for \$16.00 or charges 3.75 per game. How many games would you need to bowl for the unlimited bowling to be less expensive?

Tim earns \$150/week plus \$15.50 for each desk he assembles. Write an inequality to represent how many desks he needs assemble to make \$400 in one week.

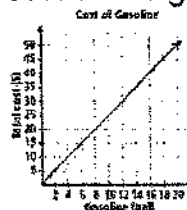
The rectangular wall below is painted in 15 minutes. How many square feet per minute were painted?



In the diagram to the left, how long does it take to paint 1 square foot?

A car company can make 18 cars in 12 hours. How many cars can be made in 1 hour?

What is the cost of one gallon of gas?



Julio invested \$2,000 in a simple interest account for 3 years. She had earned \$150 in interest by then end. What was the simple interest rate of the account?

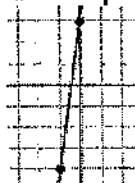
Jon makes \$78 in 12 hours of work for his mom. How much would Jon make in 20 hours or work?

What is the slope between the points (6, -3) and (-2, 1)?

What is the slope indicated in the table below?

X	2	4	6	8
Y	10	20	30	40

What is the slope below?



Find the missing value so that the two points have a slope of  $\frac{3}{2}$ .  
 (0, y) and (2, -2)

## 8-2 Classifying Angles

Warm Up

Problem of the Day

Lesson Presentation

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## 8-2 Classifying Angles

**Problem of the Day**

Find the measure of the smaller angle between the hour and minute hands on a clock at eight o'clock?

120°

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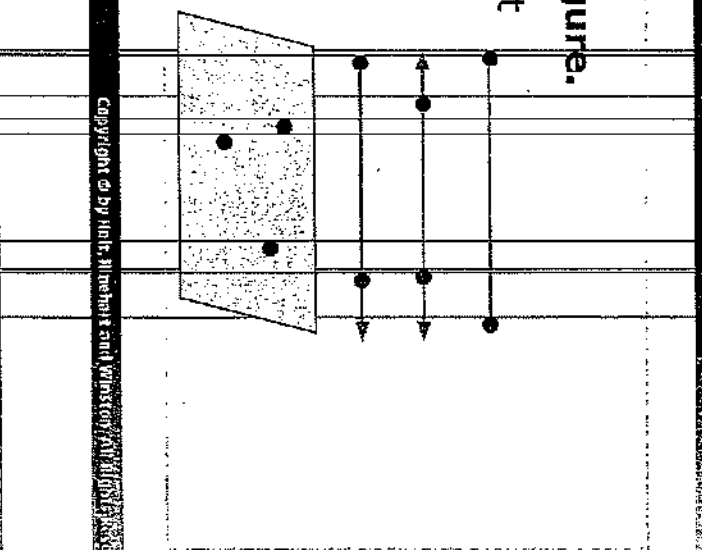
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## 8-2 Classifying Angles

**Warm Up**

**Draw each figure.**

1. line segment
2. line
3. ray
4. plane



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## 8-2 Classifying Angles

*Learn to identify angles and angle pairs.*

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## 8-2 Classifying Angles

Warm Up

Problem of the Day

Lesson Presentation

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## 8-2 Classifying Angles

**Problem of the Day**

Find the measure of the smaller angle between the hour and minute hands on a clock at eight o'clock?

**120°**

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## 8-2 Classifying Angles

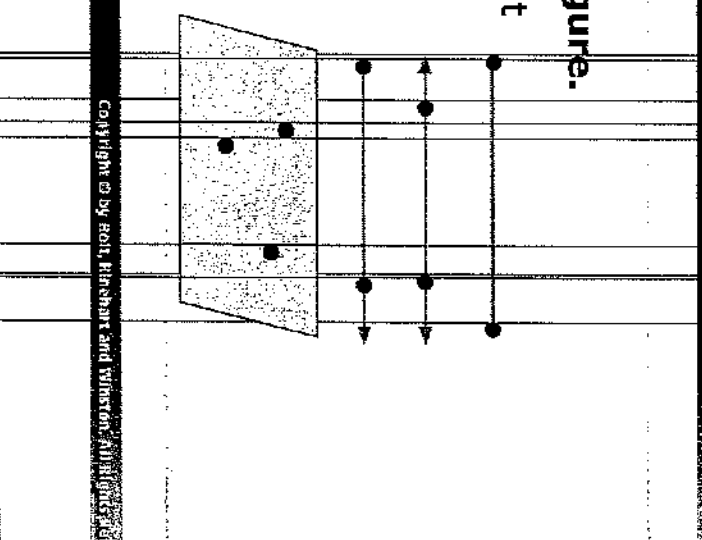
**Warm Up**

**Draw each figure.**

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## 8-2 Classifying Angles

*Learn to identify angles and angle pairs.*

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## 8-2 Classifying Angles

### Vocabulary

angle  
vertex  
right angle  
acute angle  
obtuse angle  
straight angle  
complementary angles  
supplementary angles

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## 8-2 Classifying Angles

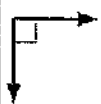
An angle's measure determines the type of angle it is.

A **right angle** is an angle that measures exactly  $90^\circ$ . The symbol  $\square$  indicates a right angle.

An **acute angle** is an angle that measures less than  $90^\circ$ .

An **obtuse angle** is an angle that measures more than  $90^\circ$ .

A **straight angle** is an angle that measures  $180^\circ$ .



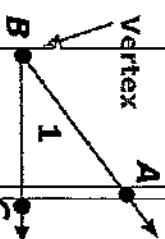
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## 8-2 Classifying Angles

An **angle** is formed by two rays with a common endpoint. The two rays are the sides of the angle. The common endpoint is the **vertex**.

Angles are measured in degrees ( $^\circ$ ).



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## 8-2 Classifying Angles

### Additional Example 1: Classifying Angles

Tell whether each angle is acute, right, obtuse or straight.

A.



obtuse angle

B.



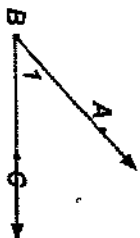
acute angle

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## 8-2 Classifying Angles

### Reading Math



You can name this angle  $\angle ABC$ ,  $\angle CBA$ ,  $\angle B$ , or  $\angle 1$ .

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## 8-2 Classifying Angles

If the sum of the measures of two angles is  $90^\circ$ , then the angles are **complementary angles**. If the sum of the measures of two angles is  $180^\circ$ , then the angles are **supplementary angles**.

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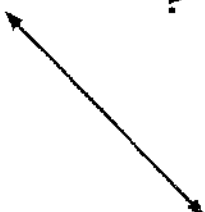
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## 8-2 Classifying Angles

### Check It Out: Example 1

Tell whether each angle is acute, right, obtuse, or straight.

A.



straight angle

B.



acute angle

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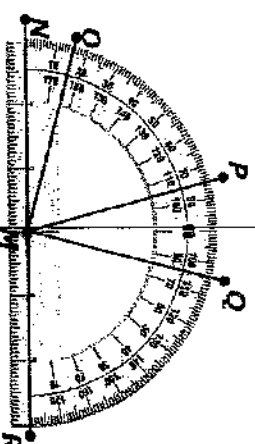
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## 8-2 Classifying Angles

**Additional Example 2A: Identifying Complementary and Supplementary Angles**  
Use the diagram to tell whether the angles are complementary, supplementary, or neither.  
 $\angle OMP$  and  $\angle PMQ$

To find  $m\angle PMQ$  start with the measure that  $\overline{QM}$  crosses,  $105^\circ$ , and subtract the measure that  $\overline{MP}$  crosses,  $75^\circ$ .  $m\angle PMQ = 105^\circ - 75^\circ = 30^\circ$ .  
 $m\angle OMP = 60^\circ$ .

Since  $60^\circ + 30^\circ = 90^\circ$ ,  $\angle PMQ$  and  $\angle OMP$  are complementary.



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## 8-2 Classifying Angles

### Reading Math

If the angle you are measuring appears obtuse, then it measure is greater than  $90^\circ$ . If the angle is acute, its measure is less than  $90^\circ$ .

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## 8-2 Classifying Angles

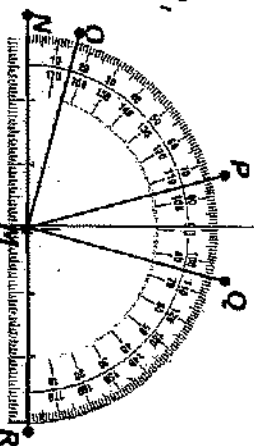
**Additional Example 2C: Identifying Complementary and Supplementary Angles**

Use the diagram to tell whether the angles are complementary, supplementary, or neither.

$\angle PMQ$  and  $\angle QMR$

To find  $m\angle PMQ$  start with the measure that  $\overline{QM}$  crosses,  $105^\circ$ , and subtract the measure that  $\overline{MP}$  crosses,  $75^\circ$ .  $m\angle PMQ = 105^\circ - 75^\circ = 30^\circ$ .  
 $m\angle QMR = 75^\circ$ .

Since  $30^\circ + 75^\circ = 105^\circ$ ,  $\angle PMQ$  and  $\angle QMR$  are neither complementary or supplementary.



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## 8-2 Classifying Angles

**Additional Example 2B: Identifying Complementary and Supplementary Angles**

Use the diagram to tell whether the angles are complementary, supplementary, or neither.

$\angle NMO$  and  $\angle OMR$

$m\angle NMO = 15^\circ$  and  $m\angle OMR = 165^\circ$

Since  $15^\circ + 165^\circ = 180^\circ$ ,  $\angle NMO$  and  $\angle OMR$  are supplementary.

### Reading Math

Read  $m\angle NMO$  as "the measure of angle  $NMO$ ."

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## 8-2 Classifying Angles

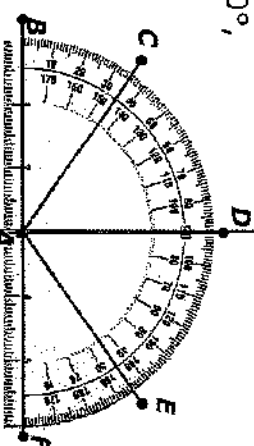
**Check It Out: Example 2A**

Use the diagram to tell whether the angles are complementary, supplementary, or neither.

$\angle BAC$  and  $\angle CAF$

$m\angle BAC = 35^\circ$  and  $m\angle CAF = 145^\circ$

Since  $35^\circ + 145^\circ = 180^\circ$ ,  $\angle BAC$  and  $\angle CAF$  are supplementary.



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## 8-2 Classifying Angles

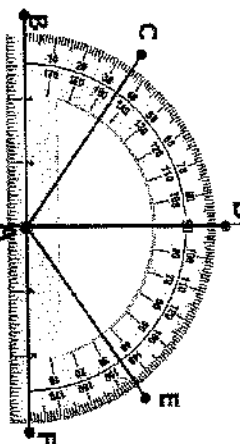
### Check It Out: Example 2B

Use the diagram to tell whether the angles are complementary, supplementary, or neither.

$\angle CAD$  and  $\angle EAF$

To find  $m\angle CAD$  start with the measure that  $\overline{DA}$  crosses,  $90^\circ$ , and subtract the measure that  $\overline{CA}$  crosses,  $35^\circ$ .  $m\angle CAD = 90^\circ - 35^\circ = 55^\circ$ .  $m\angle EAF = 35^\circ$ .

Since  $55^\circ + 35^\circ = 90^\circ$ ,  $\angle CAD$  and  $\angle EAF$  are complementary.



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## 8-2 Classifying Angles

### Additional Example 3: Finding Angle Measures

Angles  $A$  and  $B$  are complementary. If  $m\angle A$  is  $56^\circ$ , what is the  $m\angle B$ ?

Since  $\angle A$  and  $\angle B$  are complementary,  $m\angle A + m\angle B = 90^\circ$ .

$$m\angle A + m\angle B = 90^\circ$$

$$56^\circ + m\angle B = 90^\circ$$

$$\begin{array}{r} 56^\circ \\ - 56^\circ \\ \hline \end{array}$$

$$m\angle B = 34^\circ$$

The measure of  $\angle B = 34^\circ$ .

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## 8-2 Classifying Angles

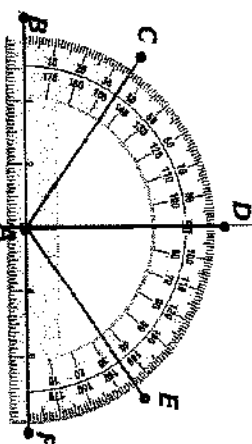
### Check It Out: Example 2C

Use the diagram to tell whether the angles are complementary, supplementary, or neither.

$\angle BAC$  and  $\angle EAF$

$m\angle BAC = 35^\circ$  and  $m\angle EAF = 35^\circ$

Since  $35^\circ + 35^\circ = 70^\circ$ ,  $\angle BAC$  and  $\angle EAF$  are neither supplementary nor complementary.



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## 8-2 Classifying Angles

### Check It Out: Example 3

Angles  $P$  and  $Q$  are supplementary. If  $m\angle P$  is  $32^\circ$ , what is the  $m\angle Q$ ?

Since  $\angle P$  and  $\angle Q$  are supplementary,  $m\angle P + m\angle Q = 180^\circ$ .

$$m\angle P + m\angle Q =$$

$$32^\circ + m\angle Q = 180^\circ$$

$$\begin{array}{r} 32^\circ \\ - 32^\circ \\ \hline \end{array}$$

$$m\angle Q = 148^\circ$$

The measure of  $\angle Q = 148^\circ$ .



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## 8-2 Classifying Angles

### Lesson Quiz: Part I

Tell whether each angle is acute, right, obtuse, or straight.

-   
straight
-   
obtuse

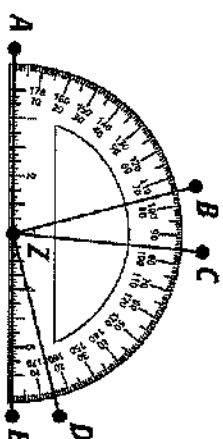
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## 8-2 Classifying Angles

### Lesson Quiz: Part II

Use the diagram to tell whether the angles are complementary, supplementary, or neither.



- $\angle AZB$  and  $\angle BZC$       neither
- $\angle BZC$  and  $\angle CZD$       complementary
- Angles  $M$  and  $N$  are supplementary. If  $\angle M$  is  $117^\circ$ , what is  $m\angle N$ ?  $63^\circ$

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Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : 4/2

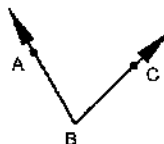
Name the vertex and sides of each angle.

1)



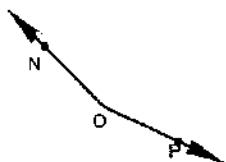
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3)



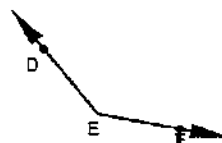
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2)



\_\_\_\_\_

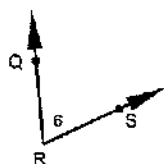
4)



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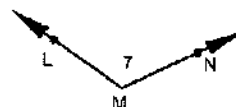
Name each angle in four ways.

5)



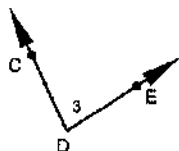
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7)



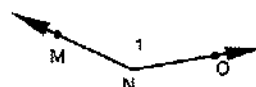
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6)



\_\_\_\_\_

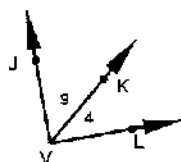
8)



\_\_\_\_\_

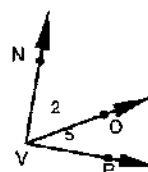
Name all the angles that have V as a vertex.

9)



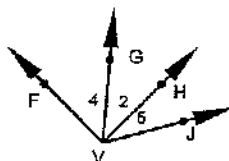
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11)



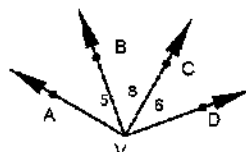
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10)



\_\_\_\_\_

12)



\_\_\_\_\_



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : 4/3

Classify each angle as acute, obtuse, right, or straight.

1)



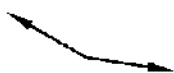
\_\_\_\_\_

6)



\_\_\_\_\_

2)



\_\_\_\_\_

7)



\_\_\_\_\_

3)



\_\_\_\_\_

8)



\_\_\_\_\_

4)



\_\_\_\_\_

9)



\_\_\_\_\_

5)



\_\_\_\_\_

10)



\_\_\_\_\_

11)  $15^\circ$

\_\_\_\_\_

16)  $51^\circ$

\_\_\_\_\_

12)  $176^\circ$

\_\_\_\_\_

17)  $3^\circ$

\_\_\_\_\_

13)  $136^\circ$

\_\_\_\_\_

18)  $41^\circ$

\_\_\_\_\_

14)  $180^\circ$

\_\_\_\_\_

19)  $90^\circ$

\_\_\_\_\_

15)  $169^\circ$

\_\_\_\_\_

20)  $110^\circ$

\_\_\_\_\_





Name : \_\_\_\_\_

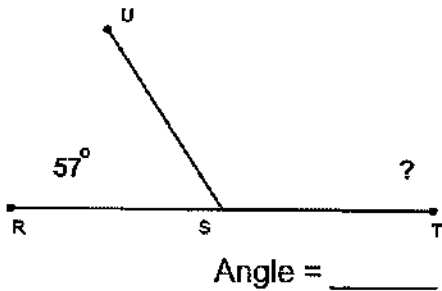
Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

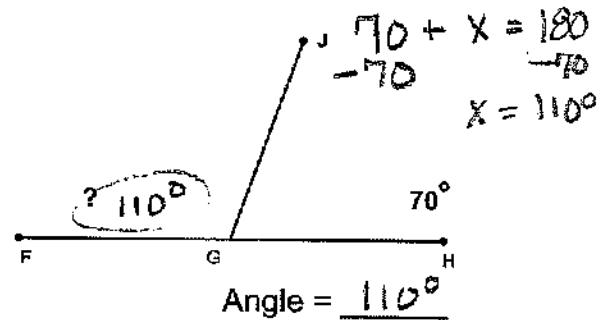
Date : 4/13

Find the missing angle measurement in each set of supplementary angles.

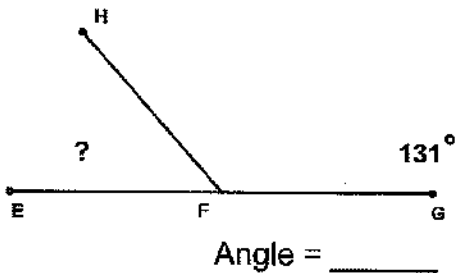
1)



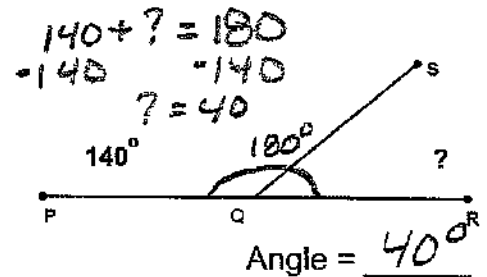
2)



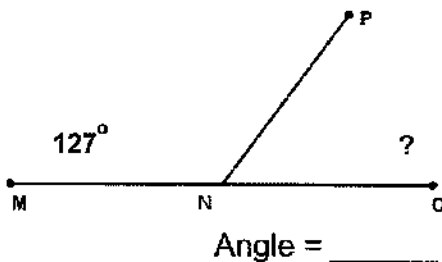
3)



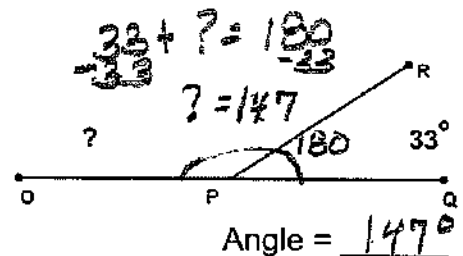
4)



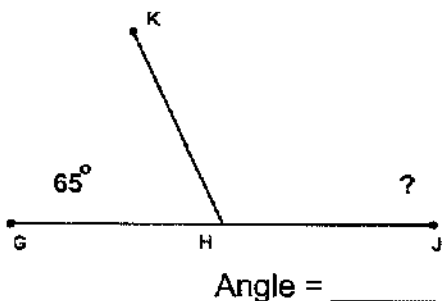
5)



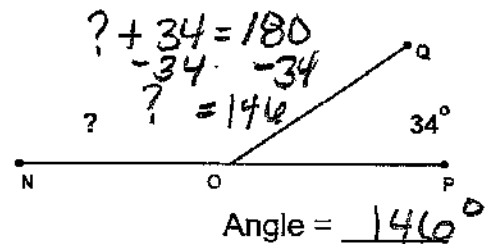
6)



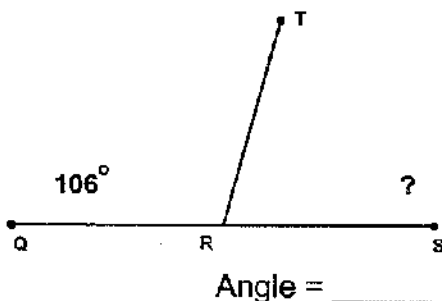
7)



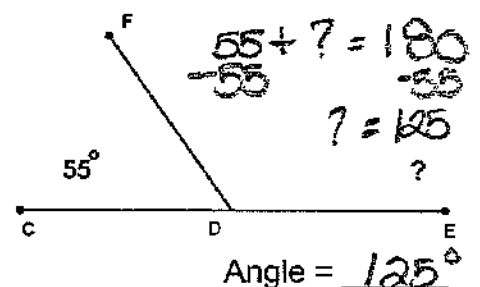
8)



9)



10)



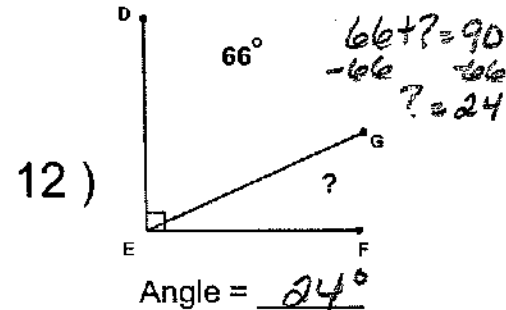
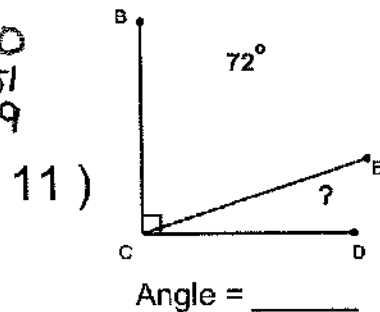
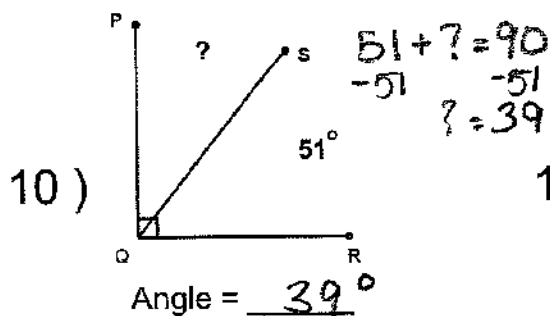
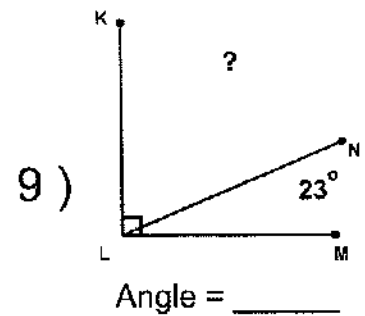
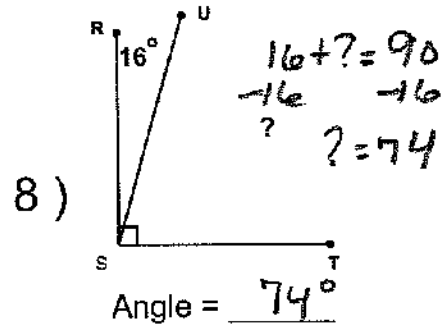
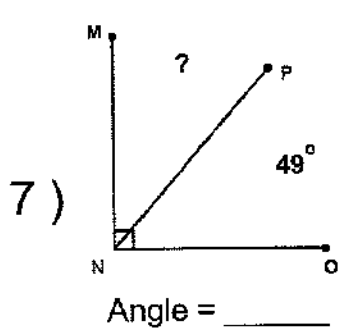
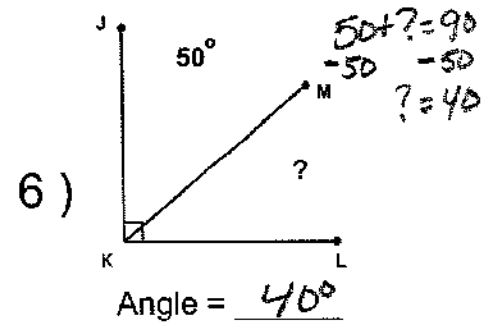
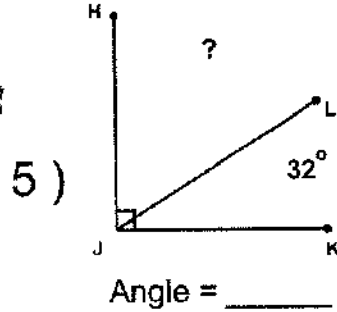
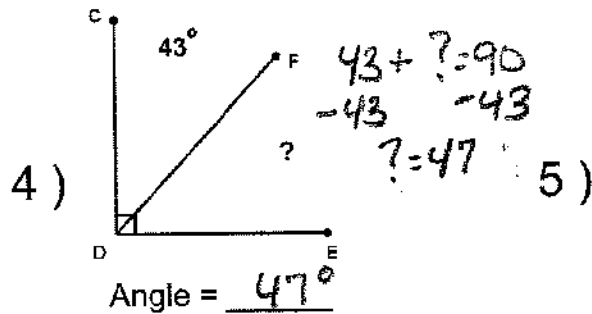
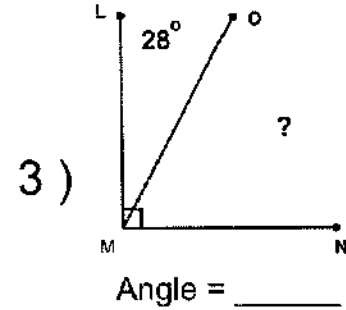
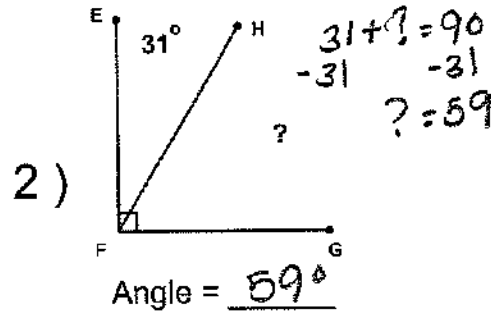
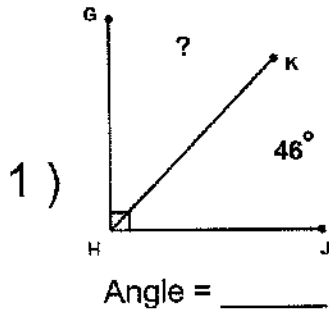
Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : 4/13

Find the missing angle measurement in each set of complementary angles.



Name : \_\_\_\_\_

Score : \_\_\_\_\_

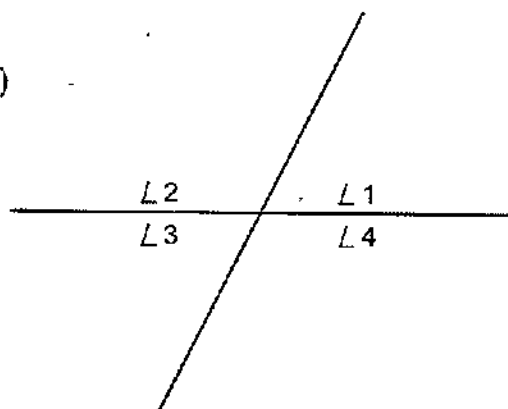
Teacher : \_\_\_\_\_

Date : 4/14

Find the missing vertical angles. Vertical angles -

opposite angles  
made by crossing  
lines.

1)



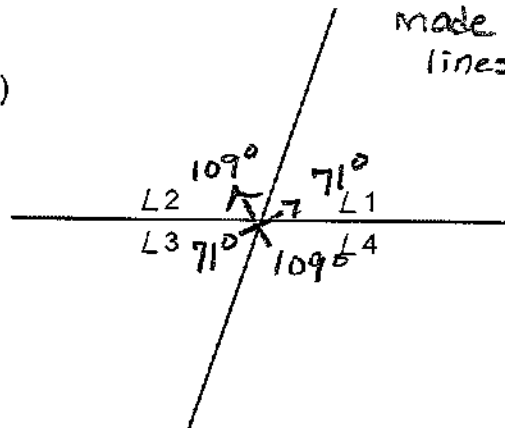
$L1 = \underline{\hspace{2cm}}$

$L2 = \underline{\hspace{2cm}}$

$L3 = \underline{63^\circ}$

$L4 = \underline{117^\circ}$

2)



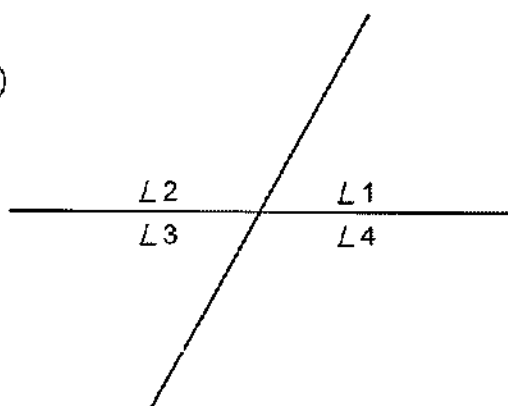
$L1 = \underline{71^\circ}$

$L2 = \underline{109^\circ}$

$L3 = \underline{71^\circ}$

$L4 = \underline{109^\circ}$

3)



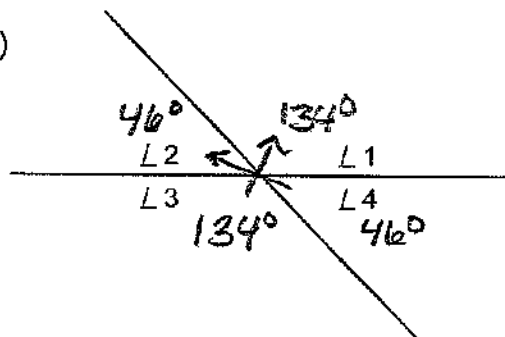
$L1 = \underline{61^\circ}$

$L2 = \underline{\hspace{2cm}}$

$L3 = \underline{\hspace{2cm}}$

$L4 = \underline{119^\circ}$

4)



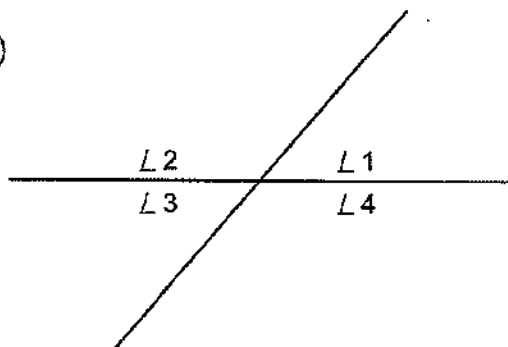
$L1 = \underline{134^\circ}$

$L2 = \underline{46^\circ}$

$L3 = \underline{134^\circ}$

$L4 = \underline{46^\circ}$

5)



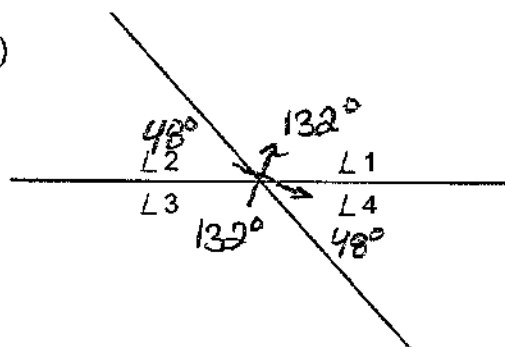
$L1 = \underline{49^\circ}$

$L2 = \underline{131^\circ}$

$L3 = \underline{\hspace{2cm}}$

$L4 = \underline{\hspace{2cm}}$

6)



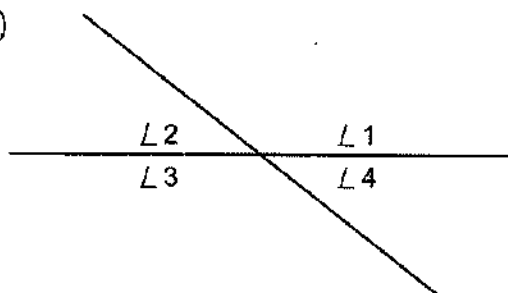
$L1 = \underline{132^\circ}$

$L2 = \underline{48^\circ}$

$L3 = \underline{132^\circ}$

$L4 = \underline{48^\circ}$

7)



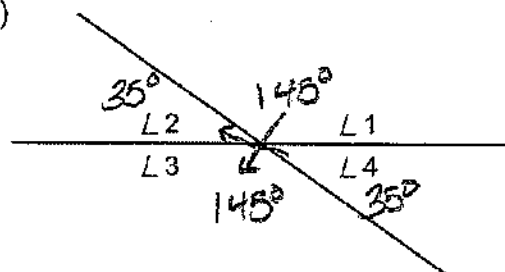
$L1 = \underline{142^\circ}$

$L2 = \underline{38^\circ}$

$L3 = \underline{\hspace{2cm}}$

$L4 = \underline{\hspace{2cm}}$

8)



$L1 = \underline{145^\circ}$

$L2 = \underline{35^\circ}$

$L3 = \underline{145^\circ}$

$L4 = \underline{35^\circ}$



Adjacent Angles -  
angles that share  
a vertex and side.



Name: \_\_\_\_\_

4/14

# Working With Adjacent Angles

Correctly answer each question below.

1) What is the adjacent angle to  $\angle BAC$ ?

\_\_\_\_\_

2) What is the adjacent angle to  $\angle BAD$ ?

$\angle DAE$

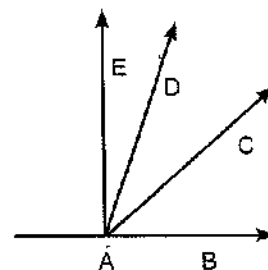
3) What is the adjacent angle to  $\angle CAE$ ?

\_\_\_\_\_

4) What two angles are adjacent angles to  $\angle CAD$ ?

$\angle DAE$  and  $\angle CAB$

Figure A.



1) What are the two adjacent angles to  $\angle 3$ ?

\_\_\_\_\_

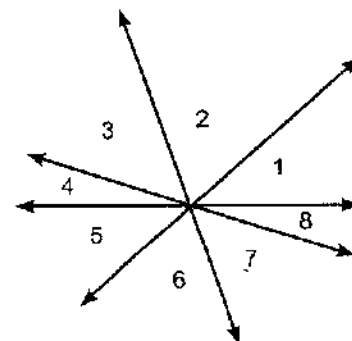
2) What is the smallest adjacent angle to  $\angle 7$ ?

$\angle 8$

3) What are the adjacent angles to  $\angle 5$ ?

\_\_\_\_\_

Figure B.



Name: \_\_\_\_\_

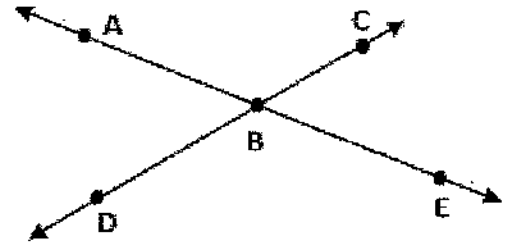
Date: 4/15

Period: \_\_\_\_\_

## Angles Review: Intersecting Lines

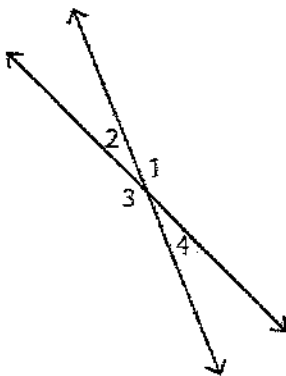
True or False? If false, justify your answer.

1.  $\angle ABC$  and  $\angle CBE$  are vertical angles.
2.  $\angle ABC$  and  $\angle ABD$  are supplementary angles.
3.  $m\angle ABD \cong m\angle CBE$
4.  $m\angle ABD + m\angle DBE = 180^\circ$
5.  $m\angle ABC + m\angle DBE = 180^\circ$
6.  $\angle CBE$  and  $\angle ABD$  are adjacent angles.



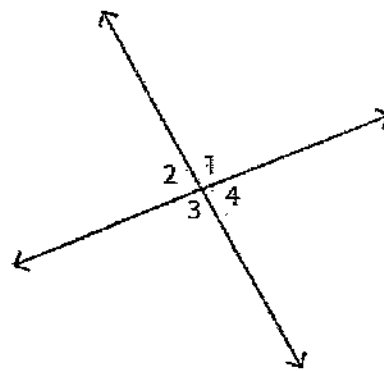
Find the unknown angle measures.

7.



$$\begin{array}{ll} m\angle 1 = \underline{157^\circ} & m\angle 2 = \underline{\hspace{2cm}} \\ m\angle 3 = \underline{\hspace{2cm}} & m\angle 4 = \underline{\hspace{2cm}} \end{array}$$

8.



$$\begin{array}{ll} m\angle 1 = \underline{\hspace{2cm}} & m\angle 2 = \underline{\hspace{2cm}} \\ m\angle 3 = \underline{\hspace{2cm}} & m\angle 4 = \underline{82^\circ} \end{array}$$

Name: \_\_\_\_\_

Date: 4/15

Period: \_\_\_\_\_

### Angles Review: Complementary & Supplementary

13. If two angles add up to  $180^\circ$  they are \_\_\_\_\_ angles.

14. If two angles add up to  $90^\circ$ , they are \_\_\_\_\_ angles.

What is the measurement of the complementary angle for each measurement given? Show work!!

15.  $45^\circ$  \_\_\_\_\_

16.  $82^\circ$  \_\_\_\_\_

17.  $23^\circ$  \_\_\_\_\_

What is the measurement of the supplementary angle for each measurement given?

18.  $173^\circ$  \_\_\_\_\_

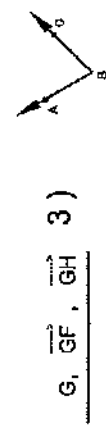
19.  $75^\circ$  \_\_\_\_\_

20.  $92^\circ$  \_\_\_\_\_

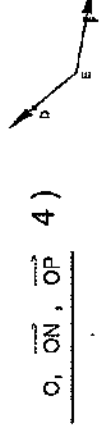
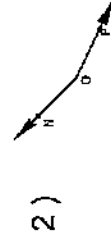
Monday	Tuesday	Wednesday	Thursday																				
<p>Solve:  <math>-25 + 4h \leq \\$0.52</math>  <math>h \leq 18.08</math></p>	<p>Solve:  <math>42 &lt; 2m - 10</math>  <math>m &gt; 26</math></p>	<p>Solve:  <math>0 - 6x &gt; -18</math>  <math>x &lt; 3</math></p>	<p>Solve:  <math>12 \geq 9(z + 2)</math>  <math>z \leq -\frac{2}{3}</math></p>																				
<p>Graph the inequality on a number line:  <math>x \leq 4</math></p>	<p>Write an inequality that represents the graph below:  <math>x \leq -1</math></p>	<p>Solve and graph the inequality on a number line:  <math>42 \geq g + 27</math></p>	<p>Write an inequality that represents the graph below:  <math>x \leq 0</math></p>																				
<p>Write an inequality for x that would give this rectangle an area of at least 117 ft<sup>2</sup>.</p> $3x + 15 \geq 117$	<p>In the problem to the left, solve the inequality and represent it on the number line below.</p>	<p>A bowling alley offers unlimited bowling for \$18.00 or charges 3.75 per game. How many games would you need to bowl for the unlimited bowling to be less expensive? <math>x &gt; 5</math></p>	<p>Tim earns \$150/week plus \$15.50 for each desk he assembles. Write an inequality to represent how many desks he needs assemble to make \$400 in one week.  <math>150 + 15.50x \geq 400</math></p>																				
<p>A 12 pack of soda is roughly \$3.75. What is the cost per can of soda?  \$0.31</p>	<p>A regular #2 pencil can draw a line about 35 miles long or write roughly 45,000 words. How many words will fit in one mile? About 1286 words</p>	<p>The rectangular wall below is painted in 16 minutes. How many square feet per minute were painted?</p>	<p>In the diagram to the left, how long does it take to paint 1 square foot?  0.16 minutes or 9.375 seconds</p>																				
<p>Which equation(s) represents a proportional relationship?  A) <math>y = 7x^2</math>  B) <math>y = 2 + 3x</math>  C) <math>y = \frac{1}{2}x</math>  D) <math>y = 5 - x</math></p>	<p>Circle the graph that represents a proportional relationship.</p>	<p>A car company can make 18 cars in 12 hours. How many cars can be made in 1 hour?  1.5</p>	<p>What is the cost of one gallon of gas?</p>																				
<p>A store buys shirts for \$12 each and marks up the price by 25%. What is the price for a shirt at this store?  \$15</p>	<p>Jim borrows \$2,500 from this bank. The loan has a 6.4% annual simple interest rate. If it takes Jim two years to pay back the loan, what is the total amount he will be paying?  \$2,770</p>	<p>Julio invested \$2,000 in a simple interest account for 3 years. She had earned \$150 in interest by then and. What was the simple interest rate of the account?  2.5%</p>	<p>Jon makes \$78 in 12 hours of work for his mom. How much would Jon make in 20 hours or work?  \$130</p>																				
<p>What is the slope between the points (-5,7) and (4,-8)  <math>-\frac{5}{3}</math></p>	<p>What is the slope indicated in the table below?</p> <table> <tr> <td>X</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>Y</td> <td>0</td> <td>5</td> <td>10</td> <td>15</td> </tr> </table> 6	X	0	1	2	3	Y	0	5	10	15	<p>What is the slope between the points (6,-3) and (-2,1)  <math>\frac{1}{-2}</math></p>	<p>What is the slope indicated in the table below?</p> <table> <tr> <td>X</td> <td>2</td> <td>4</td> <td>6</td> <td>8</td> </tr> <tr> <td>Y</td> <td>10</td> <td>20</td> <td>30</td> <td>40</td> </tr> </table> 6	X	2	4	6	8	Y	10	20	30	40
X	0	1	2	3																			
Y	0	5	10	15																			
X	2	4	6	8																			
Y	10	20	30	40																			
<p>What is the slope below?</p>	<p>Find the missing value so that the two points have a slope of <math>-\frac{17}{10}</math>  (-3,9) and (x,-8)  <math>x = 7</math></p>	<p>What is the slope below?</p>	<p>Find the missing value so that the two points have a slope of <math>\frac{3}{2}</math>  (0,5) and (2,-2)  <math>y = -5</math></p>																				

Name : \_\_\_\_\_ Score : \_\_\_\_\_  
Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

Name the vertex and sides of each angle.

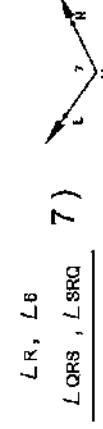
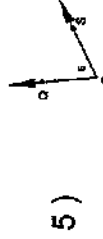


B, BA, BC

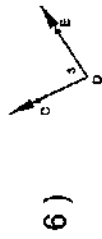


E, ED, EF

Name each angle in four ways.

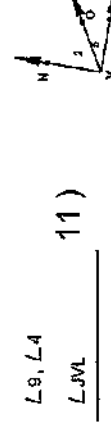
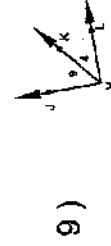


L M, L 7  
L MN, L NML

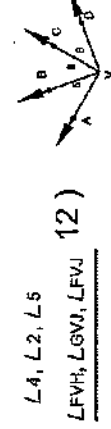
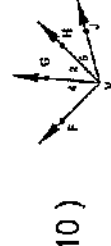


L N, L 1  
L MNO, L ONM

Name all the angles that have V as a vertex.













L 2, L 5  
L NVP



L 5, L 8, L 6  
L AVG, L BVD, L AVD

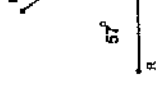
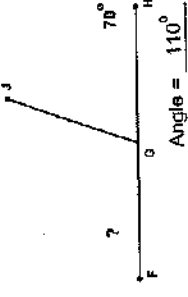
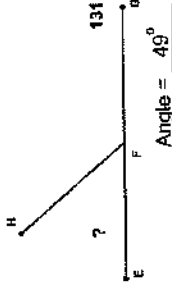
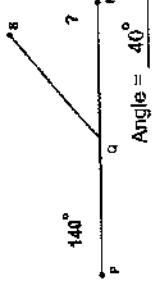
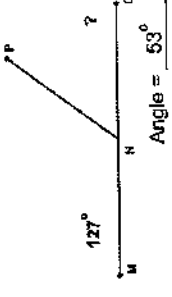
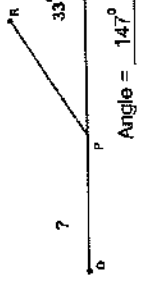
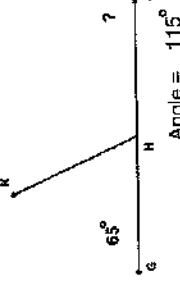
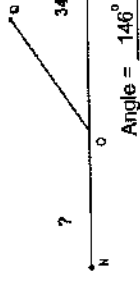
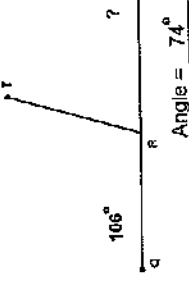
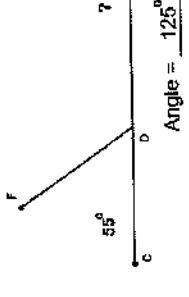
Name : \_\_\_\_\_ Score : \_\_\_\_\_  
 Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

Classify each angle as acute, obtuse, right, or straight.

- |   |          |  |        |
|---|----------|--|--------|
| 1 )  | Straight | 6 )   | Obtuse |
| 2 )  | Obtuse   | 7 )   | Acute  |
| 3 )  | Acute    | 8 )   | Obtuse |
| 4 )  | Obtuse   | 9 )   | Acute  |
| 5 )  | Right    | 10 )  | Acute  |
| 11 ) 15°  | Acute    | 16 ) 51°   | Acute  |
| 12 ) 176°   | Obtuse   | 17 ) 3°  | Acute  |
| 13 ) 136°   | Obtuse   | 18 ) 41°   | Acute  |
| 14 ) 180°   | Straight | 19 ) 90°   | Right  |
| 15 ) 169°   | Obtuse   | 20 ) 110°  | Obtuse |

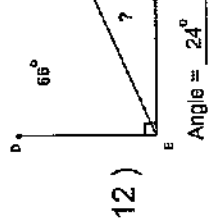
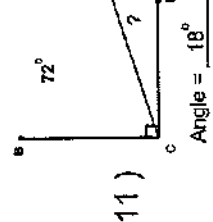
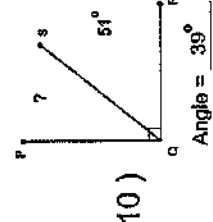
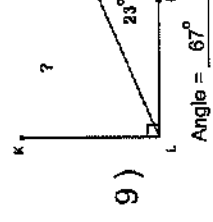
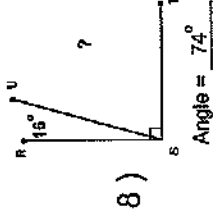
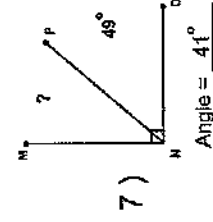
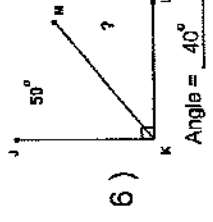
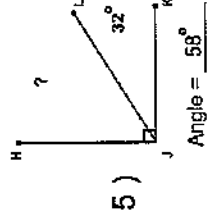
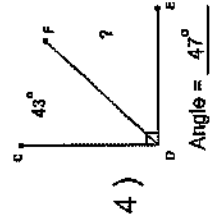
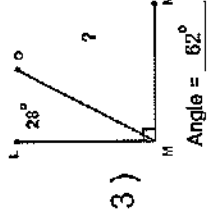
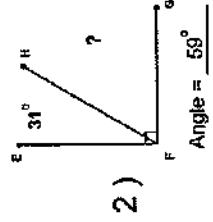
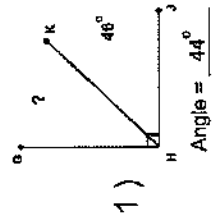
Name : \_\_\_\_\_ Score : \_\_\_\_\_  
 Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

Find the missing angle measurement in each set of supplementary angles.

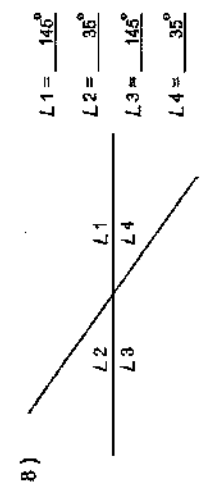
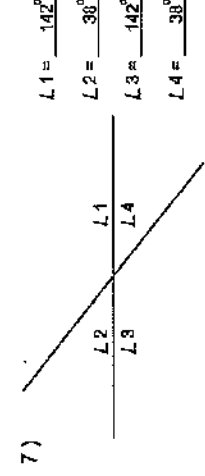
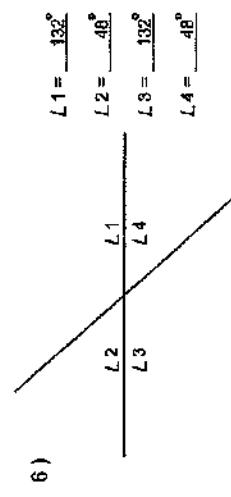
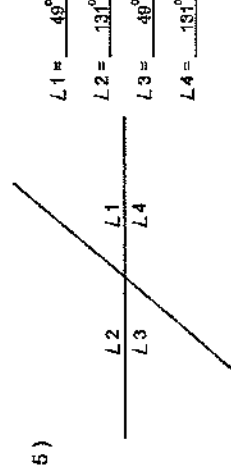
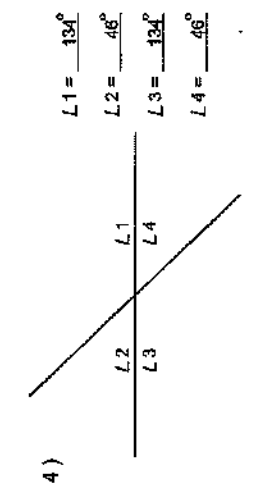
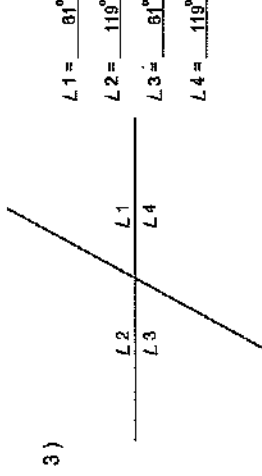
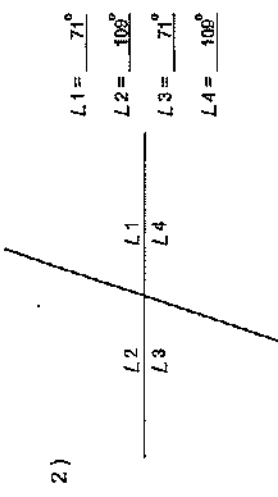
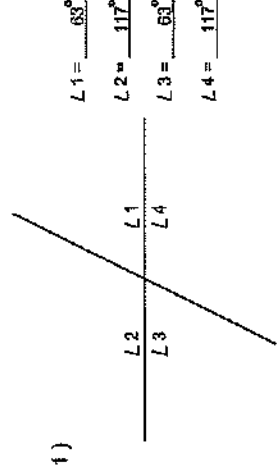
- |   |  |
|---|--|
| 1 )    | 2 )     |
| 3 )    | 4 )     |
| 5 )    | 6 )     |
| 7 )   | 8 )    |
| 9 )  | 10 )  |



Find the missing angle measurement in each set of complementary angles.



Find the missing vertical angles.



# Working With Adjacent Angles

Correctly answer each question below.

1) What is the adjacent angle to  $\angle BAC$ ?

$\angle CAD$  or  $\angle CAE$

2) What is the adjacent angle to  $\angle BAD$ ?

$\angle DAE$

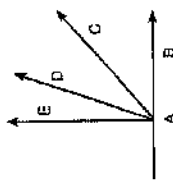
3) What is the adjacent angle to  $\angle CAE$ ?

$\angle BAC$

4) What two angles are adjacent angles to  $\angle CAD$ ?

$\angle BAC$  or  $\angle DAE$

Figure A.



1) What are the two adjacent angles to  $\angle 3$ ?

$\angle 2$  and  $\angle 4$

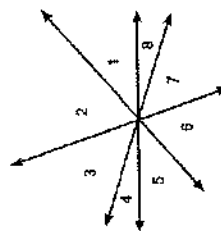
2) What is the smallest adjacent angle to  $\angle 7$ ?

$\angle 8$

3) What are the adjacent angles to  $\angle 5$ ?

$\angle 4$  and  $\angle 6$

Figure B.



## Angles Review: Intersecting Lines

True or False? If false, justify your answer.

7.  $\angle ABC$  and  $\angle CDE$  are vertical angles. False, adjacent/supplementary

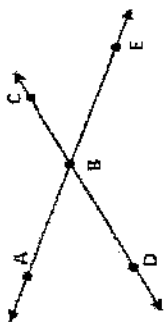
8.  $\angle ABC$  and  $\angle ABD$  are supplementary angles. True

9.  $m\angle ABD \cong m\angle CBE$  True

10.  $m\angle ABD + m\angle DBE = 180^\circ$  True

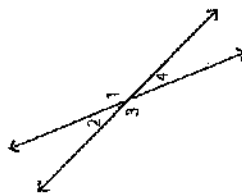
11.  $m\angle ABC + m\angle DBE = 180^\circ$  False, vertical/congruent (NOT supplementary)

12.  $\angle CBE$  and  $\angle ABD$  are adjacent angles. False, vertical



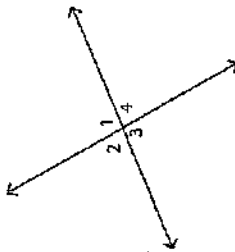
Find the unknown angle measures.

7.



$$\begin{aligned} m\angle 1 &= 157^\circ & m\angle 2 &= 23^\circ \\ m\angle 3 &= 157^\circ & m\angle 4 &= 23^\circ \end{aligned}$$

8.



$$\begin{aligned} m\angle 1 &= 98^\circ & m\angle 2 &= 82^\circ \\ m\angle 3 &= 98^\circ & m\angle 4 &= 82^\circ \end{aligned}$$

Name: KEYLI Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Angles Review: Complementary & Supplementary

13. If two angles add up to  $180^\circ$  they are supplementary angles.

14. If two angles add up to  $90^\circ$ , they are complementary angles.

What is the measurement of the complementary angle for each measurement given? Show work!!

15.  $45^\circ$   $45^\circ$

16.  $82^\circ$   $18^\circ$

17.  $23^\circ$   $67^\circ$

What is the measurement of the supplementary angle for each measurement given?

18.  $173^\circ$   $7^\circ$

19.  $75^\circ$   $105^\circ$

20.  $92^\circ$   $88^\circ$