

Geometry - Unit 4

Day	Topic, Standard	Std.	Teaching	Homework
27	Quadratic Formula and Factoring	Alg	SV 9, 10; Skill Builders #8 (p.SB26 #1-45 odd)	Skill Builders #10 (p.SB31 #1-20)
28	Quadratic Functions	Alg	Skill Builders #9 (p.SB29 #1-24)	SV 10, 14, 16, 17, 45, 75
29C	Transformations	22	Additional Practice Day 29	CG 8,14, 15, 16,18, 29
30	Triangle Congruence Postulates	5	Add'l Practice Day 30	CG 28, 37,42, 44, 47
31	Triangle Congruence Theorems	5	Add'l Practice Day 31	Skill Builders #11 (p.SB 33-34, #1-15) CG 56,58,66,80
32C	Interior Angles of Polygons <i>Green Book</i>	12, 13	Add'l Practice Day 32	US 1 read, 7, 15, 17, 18, 19, 33
33	Exterior Angles of Polygons <i>Green Book</i>	12, 13	Add'l Practice Day 33	US 71, 74, 76, 87, 88, 96
34 MB	Quadrilateral Properties <i>Grn.Bk.</i>	7	Add'l Practice Day 34	US 83, 93, 94, 117 a, b
35C	Buffer		Benchmark Quiz	Correct all incorrect answers on the quiz – show all work and include diagrams!
36	Miscellaneous Theorems: 1) Triangle Inequality: Sum of two shortest sides > longest side 2) Longest side is opposite the largest angle (not in CPM book) 3) Midsegment Theorem	6	Additional Practice Day 36	CG 78, 86, 87; TK 21, 58, 92, 96
37	Review		Practice Test	Practice Test Completion
38	Test Unit 4			None
39	Constructions		Constructions	None

Add ition al Practice

Day 29

1.
Give n
 $\triangle ABC$
with point s
A(2, 3),
B(6, 1)
and
C(7, 4).
The trian gle is

trans
lated
to
form
 $\Delta A'$
 $B'C'$
wher
e A'
is
the

point
(-6,
1).
Find
the
point
s
 B' a
nd
 C' .

2.
Give
n
 ΔA
BC
with
point
s
A(1,
-1),
B(1,
-4)
and
C(6,
-2).
The
trian
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is
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acro
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the
x-
axis
to
form
 $\Delta A'$
 $B'C'$
.

Find
the
point

s A'
,
 B' a
nd
 C' .

3.
Give
n
 ΔA
 BC
with
point
s
 $A(3,$
 $0),$
 $B(6,$
 $0)$
and
 $C(4,$
 $-1).$
The
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form
 $\Delta A'$
 $B'C'$

.
Find
the
point
s A'
,
 B' a
nd
 C' .

4.
Give
n

$\triangle ABC$
with
point
s $A(-2,$
 $1),$
 $B(-5,$
 $-2)$
and
 $C(-4,$
 $-4).$
Plot
the
point
s to
form
the
tri-
an-
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and
trans-
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the
tri-
an-
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8
units
in
the
x-
direc-
tion
and -
3
units
in
the
y-
direc-
tions
. Plot
the
point
s A'
,
 B' a
nd
 C'
to
form
 $\triangle A'$
 $B'C'$
.

5.
Give
n
 ΔA
BC
with
point
s A(-
2,
3),
B(-
1, -
1)
and
C(-
4, -
5).
Plot
the
point
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form
the
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and
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the
trian
gle

over
the
y-
axis.
Plot
the
point
s A'
,
B' a
nd
C'
to
form
 $\Delta A'$
B'C'
.

6.
Give
n
 ΔA
BC
with
point

s
A(0,
3),
B(1,
1)
and
C(2,
4).
Plot
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point
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 C'
to
form
 $\Delta A'$
 $B'C'$
.

Day
30

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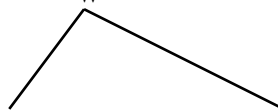
1. A D

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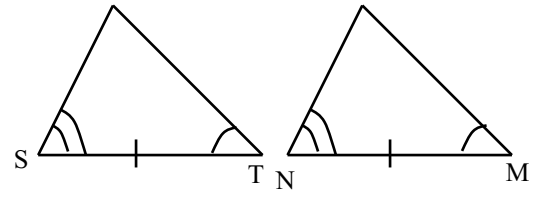
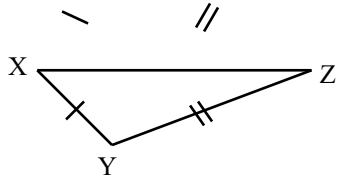
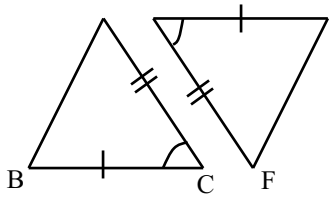
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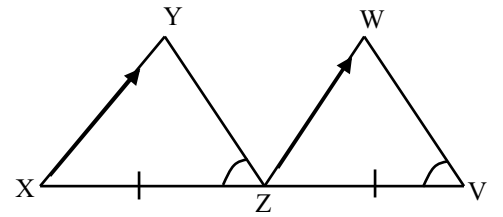
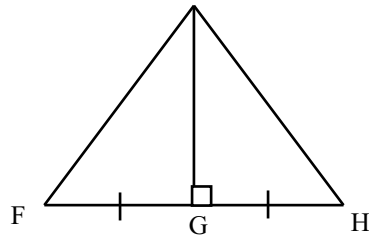
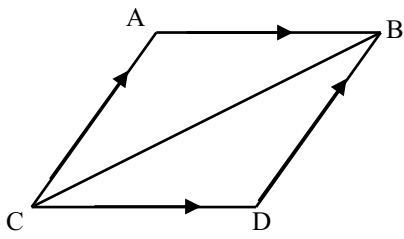
3.



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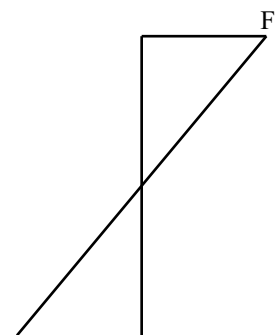
A

B

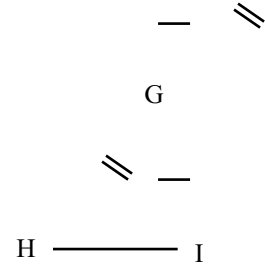
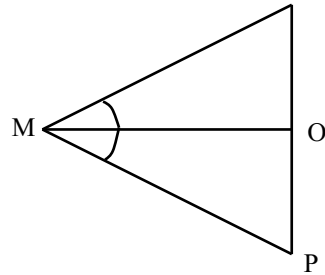
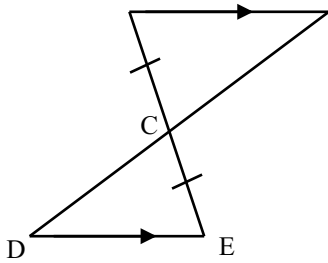
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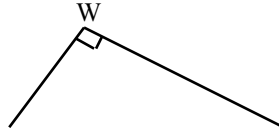
Day
31

If
the
triangles
are
congruent
,
state
why
they
are
congruent

(SSS
,
SAS
,
ASA
,
AAS
, or,
HL)
and
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congruence

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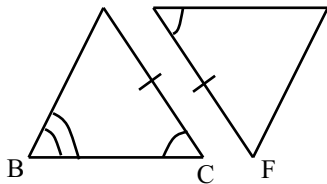
1. A D E



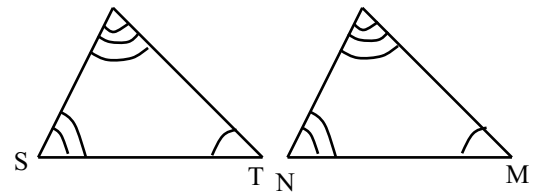
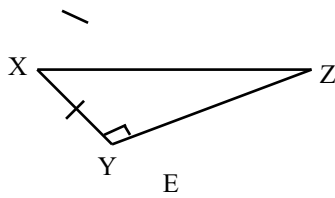
R O

2.

3.

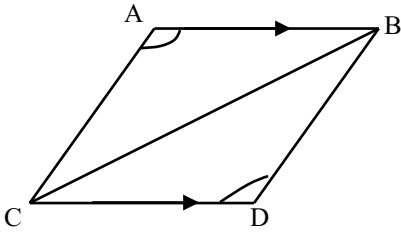


4.

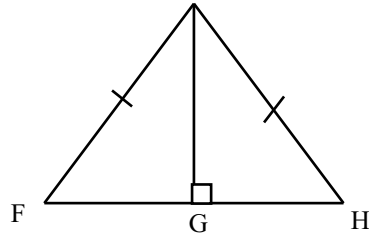


5.

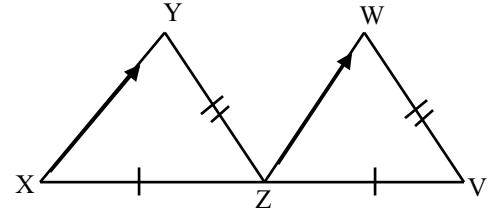
6.



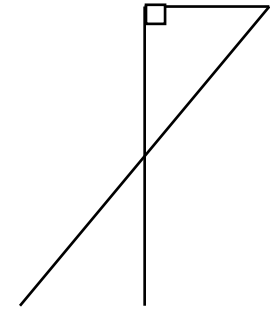
7. A B



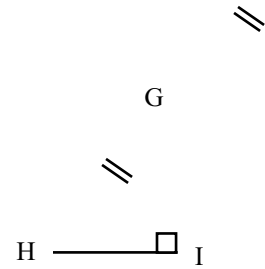
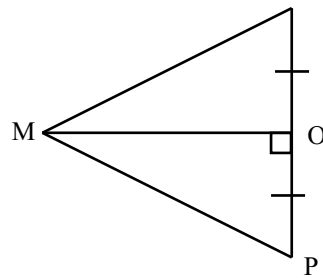
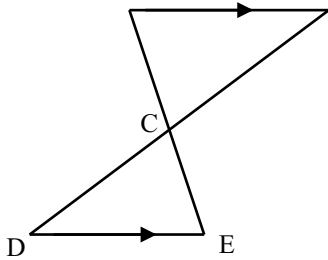
N



8.



9.



Day
32

1)
The
sum
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the
meas
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of
the
inter
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angl
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a
poly
gon
is
2340

.
How
man
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sides
does
it
have
?

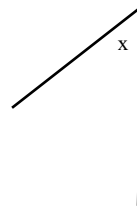
2)
Find
the
sum
of
the
meas
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of
the
inter
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angl
es of
a 20-
gon.

3)
Find
the
meas
ure
on
one
inter
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angl
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a
regul
ar
nona
gon.

4)
The
meas
ure
of
one
inter
ior
angl
es of
a
poly
gon
is
140.
How

man
y
sides
does
the
poly
gon
have
?
?

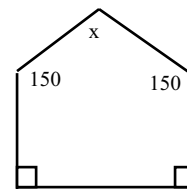
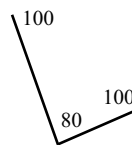
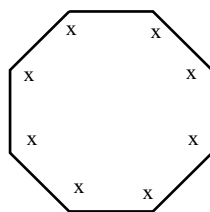
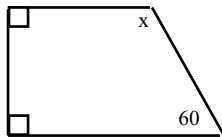
5)
Find
x



6)

7)

8)



Day
33

1) A
hexa
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has
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es of
 80 ,
 50 ,
 70 ,
 100 ,
 40 ,
and
 x .
Find
 x .

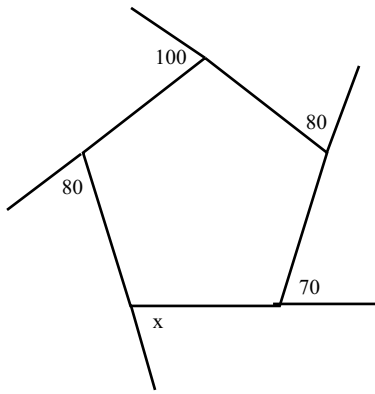
2) A

regular polygon has one exterior angle of 40. Find the number of sides.

3) Find the sum of the exterior angles of a heptagon.

4) A regular polygon has one interior angle of 60. Find the number of sides.

5) Find x



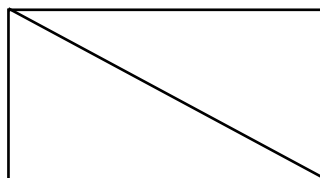
Day
34

1. Is a square a rectangle?

2. Find x in the rectangle

3. Find BC in the rhombus where

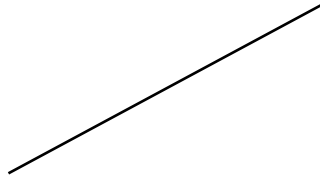
Is a parallelogram a rhombus?



AC
= 10
and
AE
= 6

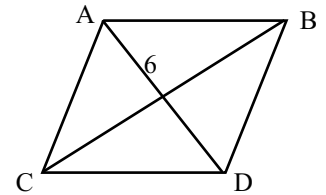
Is
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x

70



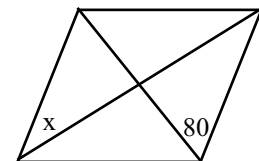
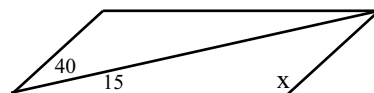
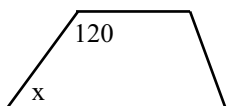
10

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4.
Find
x in
the
trape
zoid

5.
Find
x in
the
paral
lelog
ram

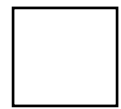
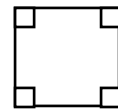
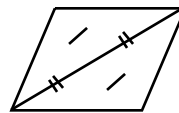
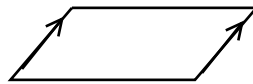
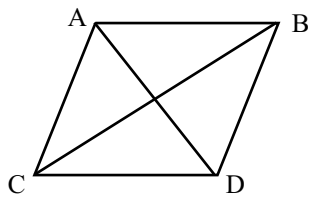
6.
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Day
36

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three
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a
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(yes
or
no)

1. 3,
7, 12

2. 2,
2, 57

3.
14,
16,
18

4. 5,
9, 14

Find
the
maxi
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and
mini
mum

valu
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for
the
third
side
of a
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with
two
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n

5. 3
and
8

6.
40
and
60

7.
34
and
53

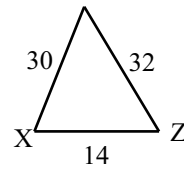
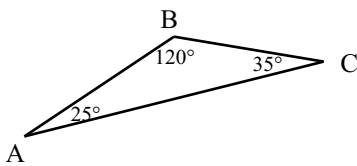
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Tri
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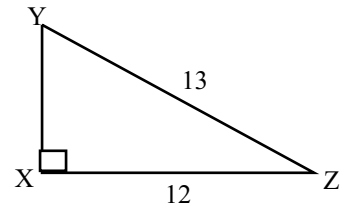
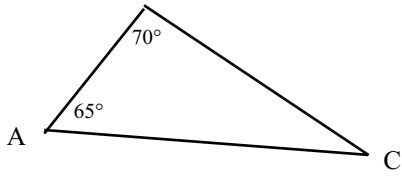


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4.
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(3)

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point
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and
N
are
midp
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- 1.
- 2.
- 3.

4.

