	Name	: Key		12/13/20	17	General Mar	th – Semester Te	est
ر	1) Simp	olify the	following and write you	ır answer ir	scientific nota	tion.		_
	(a) $\frac{7.65}{5.67}$	*10 ⁻²	1,349 × 106	1	b) $(42.3 * 10^4)$	$(6.23 * 10^{-1})$	^{1,4})	
(G)	5.67	'*10 ⁴			b) (42.3 * 10 ⁴)	2.635X	10-8	
	2) Ansv	ver the f	following questions abou	ut percentag	ges. Remember	the three dif	ferent types of	
		. •	11 1 4		-		7.1	
0	(a)	What i	s 27% of 102? , 2 7	1027	27,5Y)			
(6)	⁾ b)	56 is w	hat percent of 70?	TU = 180	7/6)			
	c)	15 is 7.	ns we talked about. s 27% of 102? 27 what percent of 70? 55 5% of what number?	5/.15 =	20			
			d \$7,000 in a savings ac			r 2 years Wk	nat was the intere	et.
(3)	rate she	Was ear	ning? How much mone	v doce cha	have navi2 - c.			
	45		lowing equations for the	-	e.) = / CCC	(F = 4)	96 i
_	4) Solve	the fol	lowing equations for the	given vari	able. Be sure to	show all yo	ur work (#706)	8
(4)	a) x − ↓ (4 = 36		t	$\int_{\overline{z}}^{2} \frac{28}{\overline{z}} \int_{\overline{z}}^{2} \int_{\overline$	X=4)		
۲	<u>. </u>	4 +4 x = 40			7 7 (
			lowing equations for the	given vari	able. Be sure to	show all vo	ur work!!! Leave	e
0	(a) - 7([4x - 7]	the simplest fraction fo y = -35 y = -35 y = -28x = 8 y = -28 Owing numbers in scient	<i>u</i>	2(6x+9) =	6(2x + 3)		
(6)	/ -2	18x +4	9 = 35] X=3\	12X+18 =	12x+18/	14	
	6) Write	the fol	lowing numbers in scier	vilia notati	18=1	8 C	Mil harls	
6.	a) 450	o circ ror	owing numbers in selen	mare notam	011.			
(1)	,	000	4.5 x 10 5		6).0017 1.7 X U	, ₅ ~3		
				ı	1.7 1.12	,		
(7) Find	the perc	ent of change in the foll	owing prob	olems. Keep one	e decimal pla	ice in all your	
<u> </u>	answers	. 37 ! 1.	ecreased to 25 $\frac{25-37}{37}$	'		, ,		
(6) 6	- a)	3 / 18 de	ecreased to 25 ${37}$ 7	$\frac{2}{30}$	b) Milk pri		m \$3.98 to \$4.78	
			_			7.78	$\frac{-3.48}{.98} = 20.1$	9
 .			e of the following units	1		3.	.48	W
141	a) dJ		decijoule	D ₁) microsecond	M5		
\mathcal{O}	c) mg		MANUFACTURE AND	d) picowatt	-i /		—
			milligram		,	pw		
	0) 0	XIO			3 .			
0		step Cor	versions	1.	$\begin{array}{c} \chi \omega \\ 445 \text{ s to ms} \end{array}$	9		
(8)	a) 0.07	23 KJ 10	$\frac{J(0^3)^5}{1} = 7.23$	3 <i>×105</i> b) 445 s to ms	$\frac{ms}{}=/4$	1.45 × 10 ms	
		ţ	1 65			<u>ب</u>		/

10) Lance drove 90ft at 600m/hr. How long did it take him?

$$\frac{90ft}{1 \text{ ft}} \frac{12 \text{ in } 2.59\text{cm}}{1 \text{ in } 10^{2} \text{ cm}} = 27.43 \text{ m}$$

$$\frac{600\text{ m/hr}}{1 \text{ ft}} = \frac{604572}{14.572 \times 10^{2} \text{ hr}}$$

$$4.18 \cdot 12(x-80) = -4.18 \cdot 10 \cdot (x-5)$$

$$50.16x - 4012.8 = -41.8x + 204$$

$$41.96x = 4221.8$$

11) Given the following tables, find the missing values. Use the formula from our lab:

		$c_1 m_1 (F_1 - l_1) =$	$-c_2m_2(F_2-I_2)$	
ĺ	11	80	12	5
(3)	F1		F2	
	m1	12	m2	10
	C	4.18	С	4.18

12) You buy a loaf of bread for \$1.5 that has 24 slices of bread, a container of meat for \$4 that has 16 slices, a package of cheese for \$6 with 14 slices of cheese. How much does it cost to make a sandwich using: 1 slices of bread, 2 slices of meat, and 2 slices of cheese?

bradi 206, ment; ,25, checse : \$243, [\$1,42] 13) Solve the following equations for the given variable. Be sure to show all your work!! Leave

your answers in the simplest fraction form.

your answers in the simplest fraction form.

(a)
$$\frac{x}{18} = \frac{9}{6}$$
(b) $\frac{x-3}{x} = \frac{12}{7}$
(c) $\frac{12x = 7(x-3)}{5x = -21}$
(d) $\frac{12x = 7(x-3)}{5x = -21}$
(e) $\frac{12x = 7(x-3)}{5x = -21}$

14) Solve the following equations for the given variable. Be sure to show all your work!! Leave

your answers in the simplest fraction form.

(a)
$$\frac{x}{3}y^{-\frac{11}{x+9}} = 4.5$$

(b) $\frac{x}{3} + 7 = 21$

(c) $\frac{x}{3} = \frac{14.3}{3}$

(d) $\frac{x}{3} = \frac{14.3}{3}$

15) Two Step Conversions
a) 936800 dm to km/m | 1 km = 9,368 x 10 km b) 0.4744 nJ to \(\mu \) 1 \(\sigma \) 1 \(\sigma \) 10 \(\mu \) 1 \(\sigma \) 1 \(\sig

16) Calculate the sales tax AND the final price paid. When you see the symbol (@) it means "at this price per item."

> Bought: Star Wars VI @ \$25 3 Shirts @ \$15 45 Tax Rate: 9%

Tax: \$6.3 Total: \$ 76.3 b) Original Price: \$500 500 - 3 =150 Discount rate: 30% New Price: \$ 356)

17) Find the mean, mode, and range of the data set. Show the work I asked you to show on your HW.

10, 72, 73, 73, 75, 76, 79, 81, 81, 83, 85, 86, 88

81, 78, 20, 88, 86, 88, 87, 81, 72, 72, 78, 78, 74, 76

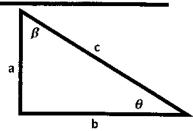
mean: 3 mean: 14,6 HW. mede: 72,81

18) Using the same numbers above, find the: Median Upper quartile Max 82 88 Max | Interquartile range Lower quartile Min 20 73 82-73

l)

Using the triangle on the right and the values given, find all the missing sides and angles. in the following chart.

$$Sin(\mathbf{z}) = \frac{5}{C}$$





Given:	θ	β	a	b	С	
a)	20°	70	1.82	5	57.32	
b)	45	45°	3	3	4.24	37+35=02
c)	60°	30°	8.66	5	10	,
· · · · · · · · · · · · · · · · · · ·					<u> </u>	9+5 =6,2

2) What are the definitions of the following trigonometric functions

$$sin(\theta) = cff/hyp$$

$$\cos(\theta) = ad_i/hy_i^p$$

$$(3)$$
 tan $(\theta) = opplad$

$$csc(\theta) = hyplog \rho$$

$$sec(\theta) = hypiacl;$$

$$tam(\theta) = udi/off$$

3) Each of the trig functions given above are abbreviations. What do each of the abbreviations stand for?

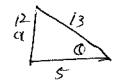


Trig Function

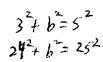
4) Using the triangle above and the values given, fill in the following chart.

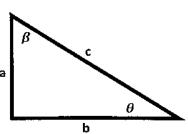
	$\sin heta$
3	$\cos \theta$
<i></i>	an heta
	CSC A

a) b = 5, c = 13



5) Using the triangle on the right and the values given, find all the missing sides and angles, in the following chart.



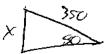




Given:	θ	β	a	ь	С
a)	36,370	53°	3	9	5
b)	74"	16"	.24	フ	25

6) A boy flying a kite lets out 350 feet of string which makes an angle of 80° with the ground. Assuming that the string is straight, how high above the ground is the kite?





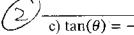
$$Sin(80) = \frac{X}{350}$$

 $X = 34468ft$

7) Find each angle.

a)
$$\sin(\theta) = .707$$

b)
$$cos(\theta) = .866$$



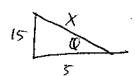
d)
$$\sin(\theta) = 0.6561$$
 $4/^{o}$

8) A ladder leans against a building. The top of the ladder reaches a point on the building which is 15 feet above the ground. The foot of the ladder is 5 feet from the building.

a) Find the measure of the angle which the ladder makes with the level ground. 72°



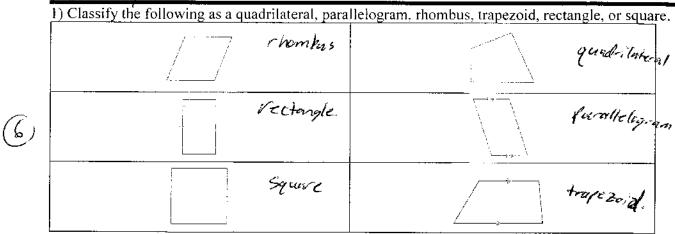
b) How long is the ladder?



$$\tan 0 = \frac{15}{5}$$

$$Q = 72^{\circ}$$

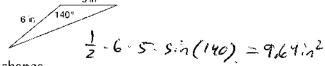
$$5^{2} + 15^{2} = c^{2}$$



2) Calculate the area for each of the following quadrilaterals. 4-8=32mm2 11/2 (12 6.8= 48:2 5-3= 15162 1/2 (8°+3)(13) 71.5442

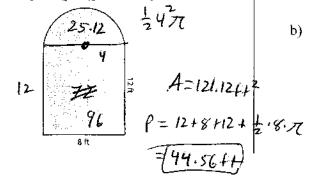
3) Calculate the area of the following non-right triangles.

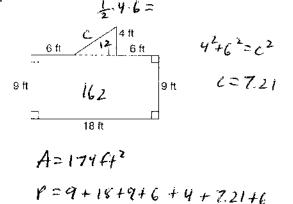
- a) A triangle with two sides that measure 6ft and (2
 - 3 ft with a n included angle of 60°.



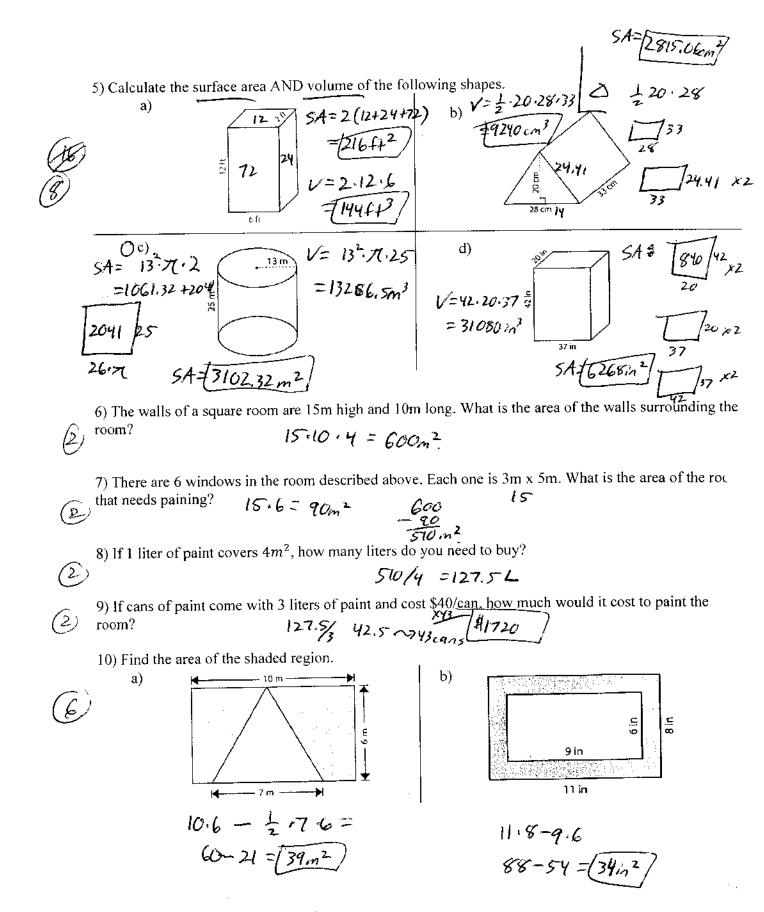
4) Calculate the area and perimeter for each of the following shapes. a)







=59.21.A+



Name: 3/29/2018 General Math – Lest 6

1) Write each of the following polynomials in standard form. Then, identify the leading coefficient and name the polynomial. 61 61

1	6)
(D	
١.	/	

		. 9		
	Polynomial	Standard Form	Leading Coefficient	Name
	$3x^2 + 2x^3$	2x3+3x2	2	Cybic binomial
_	$1 - x + 3x^2$	3x2-x+1	3	qualatic trinomial
	x	χ	1	linear monomial
	$7x^4$	7x4	7	quartic monomial.

a)
$$5m^2 + 9m^3 + 5m^2 - 2m^4 - 2m^2 + 6m^4$$

c)
$$(-x^2 + 9xy - 2y) + 3(-y + 2x^2 + 4xy)$$

2) Simplify each polynomial expression.

a)
$$5m^{2} + 9m^{3} + 5m^{2} - 2m^{4} - 2m^{2} + 6m^{4}$$

b) $(ab^{2} + 13b - 5a) + (4ab^{2} + a + 3b)$
 $-3ab^{2} + -6a + 16b$

c) $(-x^{2} + 9xy - 2y) + 3(-y + 2x^{2} + 4xy)$
 $-3y + 6x^{2} + 12xy$
 $-5a^{2}b + b^{3} + ab^{2} - 2b^{2}$

3) What does F.O.I.L. stand for?

 $-5a^{2}b + b^{3} + ab^{2} - 2b^{2}$

d)
$$(a^2b + b^3 + ab^2) - 2(4a^2b - a^2b + b^2)$$

$$-84^{\circ}b + 2a^{\circ}b + 2b^{\circ}$$

-5a²b+b³+ab²-2b²

4) Classify the following polynomials by their degree and number of terms.

a) $x^2 + 3x - 2$	quadratic	trinomial
c) 7 + x	linear	binomial

$)8^{2}$	
	Constant

d) $x^3 + 6^4x$ Cubic b. homiest.

First	#	Last
Constant	0	****
Linear	I	Monomial
Quadratic	2	Binomial
Cubic	3	Trinomial
Quartic	4	Polynomial with terms
Quintic	5	****
6 th , 7 th , 8 th Degree	6+	****

	$3x^2 4x 7$	
	$5x 15x^2 - 35x 2x 6x^3 8x^2 14x $ $1 3x -7 1 3x^2 4x 7$	
	$\begin{pmatrix} 3x & -7 & & 1 & 3x & 9x & 7 \\ & & & & & & & \end{pmatrix}$	
		
	5) Multiply the following polynomials.	
		$1)(3x^2 + 4x + 7)$
(12)	a) $-2x(x^2+4)$ $-2x^3-8x$ b) $(2x+4)$ c) $(5x+1)(3x-7)$ d) $(x-3)$	$\frac{6x^3 + 11x^2 + 18x + 7}{24x + 2}$
	$\frac{6(5x+1)(3x-7)}{15x^2-32x-7}$	1) $(3x^{2} + 4x + 7)$ $6x^{3} + 1(x^{2} + 18x + 7)$ 2) $(x-2)$ $(x^{2} - 4x + 4)$
	6) Using $ax^2 + bx + c = 0$, then	
(2	$x = \frac{-b \pm \sqrt{2a}}{2a}$	b-4ac
<u>(5</u>)		9-8
361	36+64. t/6 Solve the following quadratics using any method. $36+64-a) x^2+6x-16=0$ $-6\pm (6-2) -6 = 6$ $2-8$ b) 2:	$x^2 - 3x + 1 = 0 \frac{3 \pm \sqrt{9 - 4 \cdot 2}}{3}$
-6 T / 3/6-	3679. th	$\frac{3 \pm 1}{2} = \frac{4}{2}, \frac{2}{2}$ $-13x + 22 = 0 \frac{169 - 88}{13 \pm \sqrt{169 - 4 - 22}} = \frac{13 \pm 9}{2}$
	$q_{-8}(x^2 + 3x + 2) = 0$ $(-1, -2)$ d) x^2	$-13x + 22 = 0 /69 - 88 = 8/$ $13 \pm \sqrt{169 - 9 \cdot 22} = 8/$ 13 ± 9
$\frac{-3\pm\sqrt{2}}{2}$		
2	8) For each of the following quadratics, find the vertex, the	e y-intercept, the zeros, and how it opens. $\frac{22}{2}$ Vertex Zeros y-intercept
	runctions ivinitiviax v	
60	a) $y = -2x^2 - 6x$	(5,4.5) (9,0) (9,0)
(6)	b) $y = x^2 - 10x + 9$ (5	7-16) (1,0)(4,0) (0,4)
	c) $y = -3x^2 + x + 9$	573,0) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		79)
	الم.)	67,9 ,5 83)

9) In life, people will try to pull the wool over your eyes. Some people will lie to you, and others will try to cheat you. School has attempted to help prepare you to protect yourself against such villains. The first task is simply identifying when someone has tricked you. Have you been cheated on this test?

1) #6b
no axle belt

10) How much is left in each category?

	Spent:	June Budget	Funds available
1. House Expense	\$863.00	\$ 900.00	A 37
2. Eating Out	\$207.12	\$ 200.00	£7.12
3. Farm Expense	\$414.24	\$ 550.00	\$ 135.76

11) You put \$10,000 into an investment earns 10% interest compounded annually. How much will you

have at the end of 3 years?

Principle	Year	Interest 2008
10,000	1	1.000
11.000	2	1100
12,100	3	1210
(# 13310)		

12) Use the following information to calculate the total of your grocery list. Tax is 7% Items without tax are marked.

Food	Taxed
\$2.99 per lb of grapes	F
59¢ per box of mac and cheese	F
\$5 for 3 PowerAdc	X
\$1.98 per loaf of bread	F
\$7.28 per lb of ham	F
\$5.35 per lb of cheese	F
\$4.25 per gallon of milk	F
\$3.68 for a box of cereal	F

a) Grocery list: 1 lb. of grapes, 1 lb. of ham, 2 boxes of mac and cheese,

2.44

7.28

59

-11.45

b) Grocery list: 3 lbs. of cheese, 1 gallon of milk, 1 box of cereal, 3 PowerAdes, 2 lbs. of ham

5.35

4.25

3.68

5.35

7.25

c) Grocery list: 1.5 lbs. of grapes, 2.5 lbs. of ham, 3 loafs of bread, 4 boxes of mac and cheese,

2.44

7.28

1.48

.59

= 30.79

13) Assume the person paid with a \$50 bill. What would be their change for the previous 3 questions?

,			\$20 .	\$10	\$5	\$1	Quarters	Dimes	Nickels	Pennies
)	a)	38,55	· L	1	1	3	2		1	.
Z.1	b)	13:12		A	1	1	A.	1	#	1/2
ادويا	c)	14.01	-	1		4	0	ф	0	1 .

1) Match the following forms with their definitions

C	W-2
A	W-4

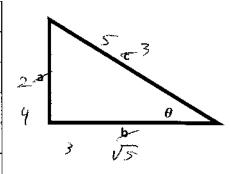
A. form used by employees to inform employers of exemptions

B. form used to report income to the state

1040

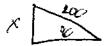
- C. form used by employers to report income paid to an employee
- D. form used to report income to the IRS
- 2) Using the triangle on the right and the values given, fill in the following chart.

Trig Function	a) $a = 2, c = 3$	b) $a = 4, b = 3$
$\sin \theta$	2/3	4/5
$\cos \theta$	V5/3	3/5
tan θ	2/15	4/3
csc θ	3/2	5/4
$\sec \theta$	3/5	5/3
$\cot \theta$	V5/2	45-3/4.



3) For the triangle in question 2, what is the missing angle?

1) A boy flying a kite lets out 200 feet of string which makes an angle of 40° with the ground. Assuming that the string is straight, how high above the ground is the kite?



Sh(40) = X X=128,6ft

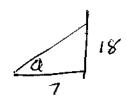
2)

Using the triangle on the right and the values given, find all the missing sides and angles. in the following chart.

а	β c θ
	b

	90-15	90-45			b
Given:	θ	β	a	b	c
a)	45°	4500	7	7	9.9
b)	75°	15°	11,2	3	166

3) A ladder leans against a building. The top of the ladder reaches a point on the building which is 18 feet above the ground. The foot of the ladder is 7 feet from the building. Find the measure of the angle which the ladder makes with the level ground.



$$2a) \quad \sin(us) = \frac{7}{C}$$

$$C = \frac{7}{\sin us}$$

$$= 9.9$$

$$\tan(us) = \frac{1}{2}$$

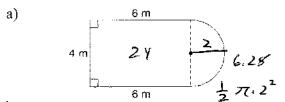
2h)
$$sin(ls) = \frac{3}{c}$$

$$C = \frac{3}{sin(ls)} = 11.6$$

$$tun(25) = \frac{9}{3}$$

$$q = 11.2$$

1) Calculate the area and perimeter for each of the following shapes.



A = 30.28m2

1 71.4 = 6.28

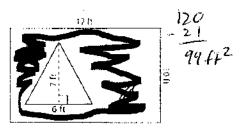
oes.	12 امر	ft2
	7,21 4 tt 6 ft	;
9 ft	G++	9 ft
•	162#4 ²	
	18 ft	-

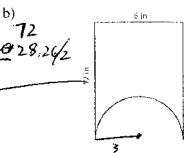
A=174ff P=59.21ft.

	Perimeter	Area	Volume
Circle	(=d-X	πr^2	4713 or 7024
Rectangle	AZ Add all sides	l·w	l.w.h
Triangle		± . b.h	12.b.h.H
Trapezoid		1/2 (b, +b2) · h	*********

3) Find the area of the shaded region.

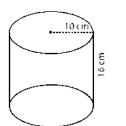
a)



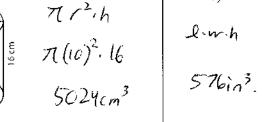


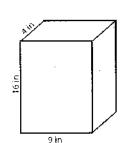
4) Calculate the volume of the following shapes.

a)



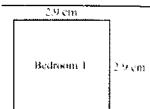
T/2/h





1) Given the following bedroom and dimensions, use the scale 1:200 to find the actual dimensions.

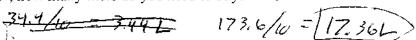
$$\frac{1}{2\alpha r} = \frac{2.1}{x}$$



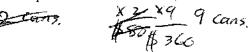
2) The walls of the room above are 8m high. What is the area of the walls surrounding the room?

3) There are 2 windows in the room. Each one is 2m x 3m. What is the area of the room that needs 2.3=6. m^2 46.4 xy 185.6 $\frac{2}{12m^2}$ 12 12 13.6 m^2 4) If 1 liter of paint covers $10m^2$, how many liters do you need to buy?

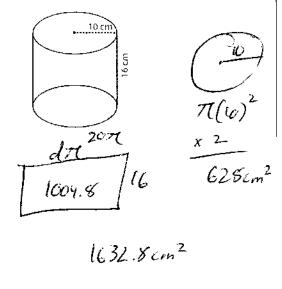
$$\frac{2.3 = 6}{12.m^2}$$

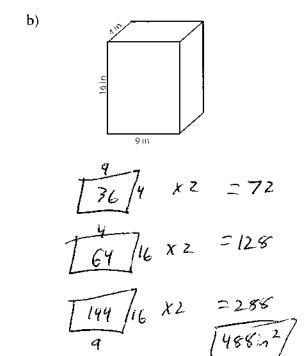


5) If cans of paint come with 2 liters of paint and cost \$40/can, how much would it cost to paint the room?



6) Calculate the surface area of the following shapes.





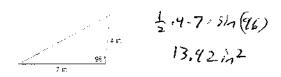
Name: Key

1) Classify the following as a quadrilateral, para	llelogram, rhombus, trapezoid, rectangle, or squar	re.
pavallelogram	trapezoid	
rectangle	- parentenger	the lines.
Square	quadrilatea	;

2) Calculate the area for each of the following quadrilaterals.

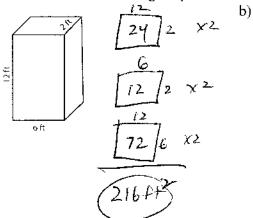
2.7.7 15.4m ² 7.7m	n lin²
6 in 6 ×8 (48/n²)	5 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5 \
$\frac{150}{2(1.5+3.3)2.9}$ $\frac{1}{6.96.in^{2}}$	$\frac{\frac{1}{2}(2.4+9)8.2}{46.74m;2}$

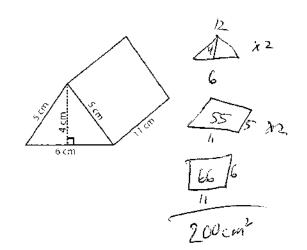
- 3) Calculate the area of the following non-right triangles.
- a) A triangle with two sides that measure 5ft and
- 3 ft with a n included angle of 40°.



4) Calculate the surface area of the following shapes.

a





1) Put the following polynomials in standard form and identify the leading coefficient.

a)
$$7x^3 + x - 5x^6$$

b)
$$5x^2 - x^5 + 8 - 3x^3 + 2x$$

 $-X^5 - 3x^3 + 5x^2 + 2x + 8$

2) Multiply the following expressions.

a)
$$(x-1)(x+3)$$

b)
$$(x+2)(x^2-2x+3)$$

3) Multiply the following expressions.

a)
$$x(x + 2)$$

$$\chi^2 + 2\chi$$

$$\begin{vmatrix} b) x^2(x^3 - 5x) \\ \lambda - 5 x^3 \end{vmatrix}$$

4) What does F.O.I.L. stand for?

first, Outer, inner, last.

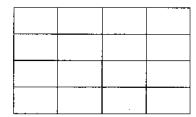
5) Classify the following polynomials by their degree and number of terms.

a) $x^2 + 3x - 2$

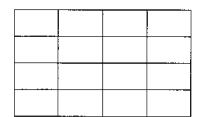
a) $x^2 + 3x - 2$ quadratic trinomial

c) 7 + xlinear binomial

d) $x^3 + 6^4x$ Cubic binomial.







Name:

2) You make \$13/hour and work 8 hours a day for 3 days each week. How much money will you make each year?

3) You make \$40,000 each year. If we estimate that you pay 20% of that in taxes, how much will you make each month?

$$\frac{40,000 \times .2 = 8000}{32,000/17} = $2666.67$$

make each month? $\frac{40.000 \times .2 = 8000}{32.000/12} = 2666.67 4) Fill in the chart below. Show your work on the side or on another piece of paper. Remember to round to the nearest cent.

	Purchases	Cost	Sales Tax	Total Amount Paid
1)	2 Jeans @ \$20.98 4 pr. Socks @ \$4.50	59.96	5% # 3	# 62.96
2)	Boots @ \$60 Jacket @ \$50.90	110.9	6% 6,65	# 117.55

5) If you spend \$400 on clothes each year, how much should you budget for clothes each month?

6) You make \$2,345 each month. Given the following budget-chart, find what percent of your incomeyou spent on each.

	Spent:	June Budget	Funds available
Educational Expense	\$ 281.40	\$ 280.00	4-1.4
2. Entertainment Expense	\$ 351.75	\$ 360.00	8.25
3. Electricity	\$ 586.25	\$ 550.00	-36.25
4. House Expense	\$ 469.00	\$ 425.00	-44
5. Eating Out	\$ 164.15	\$ 165.00	0.85
6. Farm Expense	\$ 304.85	\$ 306.00	1.15
7. Food Expense	\$ 187.60	\$ 188.00	040

1)

a) What is the number one reason for divorces in young couples? Financial issues.

b) Why is that the number one reason? Affects with. Fight over 4.

c) What could you do to ensure it doesn't happen?

Dudget.

2) You make \$10 per hour, work thirty hours a week, and have 10% deductions. How much will she earn in two weeks?

10 x 30 x2 = 600 600 x 10 15907

3) You put \$1000 into an investment earns 8% interest compounded annually. How much will you have

at the end of 3 years?

Principle	Year	Interest 8%
1000	1	80
1080	2	86.4
1 166.4	3	93,31
11259.71		

4) Fill in the chart below. Show your work on the side or on another piece of paper. Remember to round to the nearest cent.

	Purchases	Cost	Discount	Sales Tax	Total Amount Paid
17	2 Towels @ \$15	9	10%_	50/45 X.05	18 11 7 2 2 2
17	LOTR @ \$20	_>0	5	2,25	(191,25)
2)	Table @ \$45.97	40.53	30%	6% 56.37	\$ 500
ر ــــ	Chair @ \$34.56	00.00	24:16	070 x.06	T S 7.75

5) Use the following information to answer the questions below

unanci die questions ocion.
\$2.99 per lb of grapes
59¢ per box of mac and cheese
\$5 for 3 PowerAde
\$1.98 per loaf of bread
\$7.28 per lb of ham
\$5.35 per lb of cheese
\$4.25 per gallon of milk
\$3.68 for a box of cereal

\$ 34.41

a) Grocery list: 2 lb. of grapes, 3.5 lb. of ham, 5 boxes of mag and cheese 40 x 7.28
b) Grocery list: 1 lbs. of cheese, 4 gallons of milk, 2 boxes of cereal, 6 Powerade's, 1 lbs. of ham 46.99
c) Grocery list: 1.5 lbs. of grapes, 2 loafs of bread, 1 boxes of mac and cheese

X 2.99 × 1.98