SL-1 Math Summer Review

Welcome to SL-1!

Often times over the summer it is easy to forget some of the things you have learned. Here at Calverton we like to send work home to be completed throughout the summer in order to help students start their next year off strong.

Please complete the attached worksheet throughout the summer and avoid completing them all in the week before school starts. Please make sure you show all your work along the way. This will count as your first grade and needs to be completed for the first day of school.

There is a video list to accompany the worksheets as well as a math help day for support in completing the required summer work.

Please email Mrs. Crissman <u>acrissman@calvertonschool.org</u> or Mr. Kerin <u>wkerin@calvertonschool.org</u> for any questions about the requirements.

Have a great summer!

Number System

Define the following, write the symbol, and fill in the chart with at least 3 examples of each.

Rational Numbers:

Integers:

Whole Numbers:

Natural Numbers:

Irrational Numbers

The Real Number System

ational Nu	umbers	Irrational Numbers
Inte	gers	
	Whole Numbers Natural Numbers	

Operations with Fractions and Decimals

Solve each expression by hand. Simplify answers completely.

1) $\frac{4}{12} + \frac{7}{12}$	4) $\frac{11}{15} - \frac{3}{15}$
2) $\frac{2}{3} + \frac{4}{9}$	5) $\frac{5}{8} - \frac{1}{2}$
3) $\frac{3}{6} + \frac{3}{5}$	6) $\frac{3}{4} - \frac{2}{3}$
11) $\frac{4}{11} \times \frac{6}{3}$	14) $\frac{4}{5} \div \frac{2}{8}$
12) $\frac{3}{8} \times \frac{5}{7}$	15) $\frac{2}{9} \div \frac{3}{10}$
13) $\frac{3}{6}$ x 4	16) $8 \div \frac{3}{4}$

Solve each expression

1. 14.4 + 6.912

2. 18.7 – 9.35

3. (2.13)(6.8)

4. (33.5)(0.17)

5. $\frac{0.62}{6.8}$

6. $\frac{7.812}{0.03}$

7. 38.4 + 7.882

8. 16.75 - 9.9

Simplify each algebraic fraction.

- 1. $\frac{35n}{40}$
- 2. $\frac{8a}{24a}$
- 3. $\frac{14an}{24n}$
- 4. $\frac{15a^2n^2}{18a^3n}$

5. $\frac{2a^3n^4}{10a^5n}$

6. $\frac{an^2}{a^2n}$

7.
$$\frac{4x^2 - 8x^3y^2}{2xy}$$

Percent, Ratio, and Percent Change

Write the percent below in decimal form. Calculate the answer. Round to the nearest cent.

	Decimal Form	Answer
1. 37% of \$82	1	
2. 6.5% of \$70	2	
3. 150% of \$8,300	3	
4. 0.02% of \$5420	4	
5. 19.99% of \$3,125	5	
6. 100% of \$750	6	
7. 0.5% of \$1,000,000	7	
8. 14.9% of \$2,850	8	
9. 1.75% of \$14,000	9	
10. 200% of \$450	10	

Convert the decimal or fraction to a percent.

11. 0.65	12. $\frac{1}{5}$
13. 0.87	14. 0.245
15. $\frac{2}{7}$	16.
17. 1.3	18. 0.96

Calculate the following showing all your work.

19. The Morris family drove 405 miles in 9 hours. What was their average speed in miles per hour?

20. Corbin has 930 apple trees on his 5-acre orchard. How many trees does Corbin have per acre?

21. Amanda bought 3 bottles of vitamins for \$18. What was the price per bottle?

22. Jose ran 6.6 miles on a treadmill. It took him 1.2 hours. What was his speed in miles per hour?

23. Jack bought 6 bananas for \$0.45. What was the unit price?

Calculate the percent change showing all your work.

24. In September, there were 16 members in the music club. In October, the number of members was 24, What was the percent increase from September to October?

25. The population of a town in the year 2000 was 400. If the population in the town increased to 500 in 2010, what is the percent increase in the population?

26. The price of a phone decrease from \$180 to \$144. Solve for the percent decrease.

27.20 out of 22 students passed the quiz. What percentage of students passed the quiz?

28. There are 3 red pencils and 17 blue pencils. What percent of pencils are blue?

MATH

Name

Setting Up Proportions

Solve each proportion.

7		7		У	4
^{1.} 16	= 32	^{2.} $\frac{-}{4}$ =	$=\frac{b}{b}$	3. $\frac{y}{9} =$	= 12

- 4. $\frac{5}{a} = \frac{9}{27}$ 5. $\frac{18}{24} = \frac{6}{d}$ 6. $\frac{15}{6} = \frac{n}{2}$
- $_{7.} \frac{r}{10} = \frac{21}{7}$ $_{8.} \frac{4}{m} = \frac{8}{11}$ $_{9.} \frac{17}{50} = \frac{x}{25}$

Write a proportion that could be used to solve each variable. After you have written all the proportions, go back and solve them if you have time.

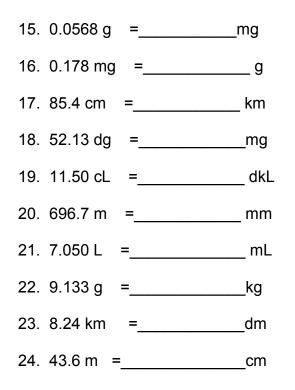
10.	1 subscription for \$21	11.	20 ounces at \$7
	28 subscriptions for x dollars		17 ounces at x dollars

- 12.1 gallon of water weighs $8\frac{1}{3}$ pounds13.1 cm represents 3.5 km30 gallons of water weighs x pounds2.4 cm represents x km
- 14.5 liters at \$15.2515.3 packages of cheese for \$7.17x liters at \$33.556 packages of cheese for x dollars

- 16. 225 bushels for 3 acres 17. x bushels for 9.6 acres
- 20 cm by 30 cm reduced to 12 cm 18. by x cm
- 25 cm by 35 cm enlarged to 150 cm by x cm
- 19. 64 ft of rope weighs 20 pounds 28 ft of rope weighs x pounds
- $\frac{1}{4}$ in. represents 1 m 20. 21. 2 liters of orange juice at \$3.58 5 liters of orange juice at x dollars 5 in. represents x m
- 22. 2 tires at \$240 200 miles in 2.5 days 23. x tires at \$1080 x miles in 8 days
- 24. 450 km on 45 liters of gas 25. 3 shirts for \$56.85 1500 km on x liters of gas x shirts for \$132.65
- $\frac{1}{4}$ in. represents 1 ft 26. 27. 5 hours for \$53.75 3 hours for x dollars x in. represents 25 ft
- 2.5 pounds of meat for 2 dogs 28. x pounds of meat for 7 dogs
- 2 inches of rain in 2.5 hours 29. 3.6 inches of rain in x hours

Metric Conversion Worksheet						
1.	5.712 g	=	_kg			
2	222 7 1	=	dl			

- 3. 16.45 m =_____ cm
- 4. 39.56 g = _____ mg
- 5. 10.5 g =_____ dkg
- 6. 3.54 mg =_____dg
- 7. 28.6 g =_____hg
- 8. 910 m =_____ dm
- 9. 0.006700 kg =_____ cg
- 10. 1488 cm =____hm
- 11. 42.68 L =_____ kL
- 12. 2.78 cm =____km
- 13. 5.44 m =_____ cm
- 14. 15.82 mL = cm^3



1. Nickolai lives at one end of Oregon Trail. Sydney lives at the other end of the trail. It is 5.8 kilometers from one end of Oregon Trail to the other. If Nickolai walks 2.79 kilometers toward Sydney's house, how many more METERS does he have to walk to get there?

2. Adam had the chicken pox and had to stay inside even though he didn't feel very bad at all. He decided to make a cake to surprise his mother. The recipe said he needed 4 deciliters of milk. How many LITERS of milk did he need?

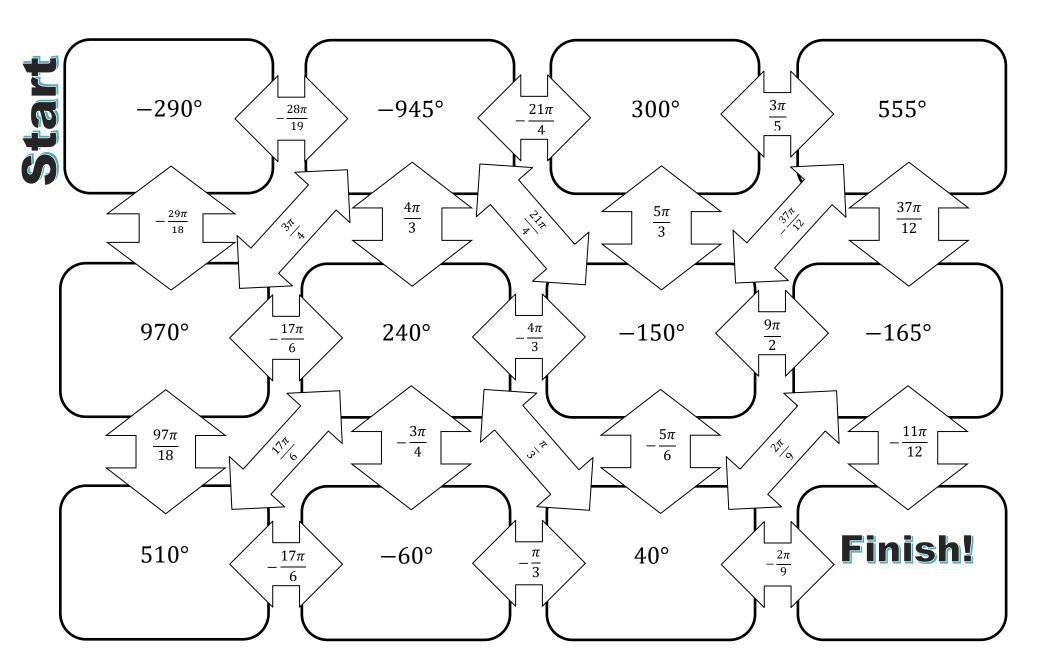
3. Xion and Kyndol wanted to have a contest to see which of their paper airplanes could fly the longest distance. Xion's plane flew 4 meters. Kyndol's plane flew 79 centimeters. How much further did Xion's plane fly in METERS? 4. Nala's boyfriend gave her a heart-shaped box of candy with 0.79 kilograms of candy in it. Madysin was jealous because her boyfriend only gave her 0.3 kilograms of candy. How many GRAMS more did Nala get?

 Adrienne was given a tiny lamb by her aunt. The lamb was a runt and had to be fed by hand. Every 3 hours Adrienne had to give it 290 milliliters of milk. How much milk, in LITERS, will the lamb get in 24 hours?

Degrees & Radians Conversion

Name:_____ Date:_____

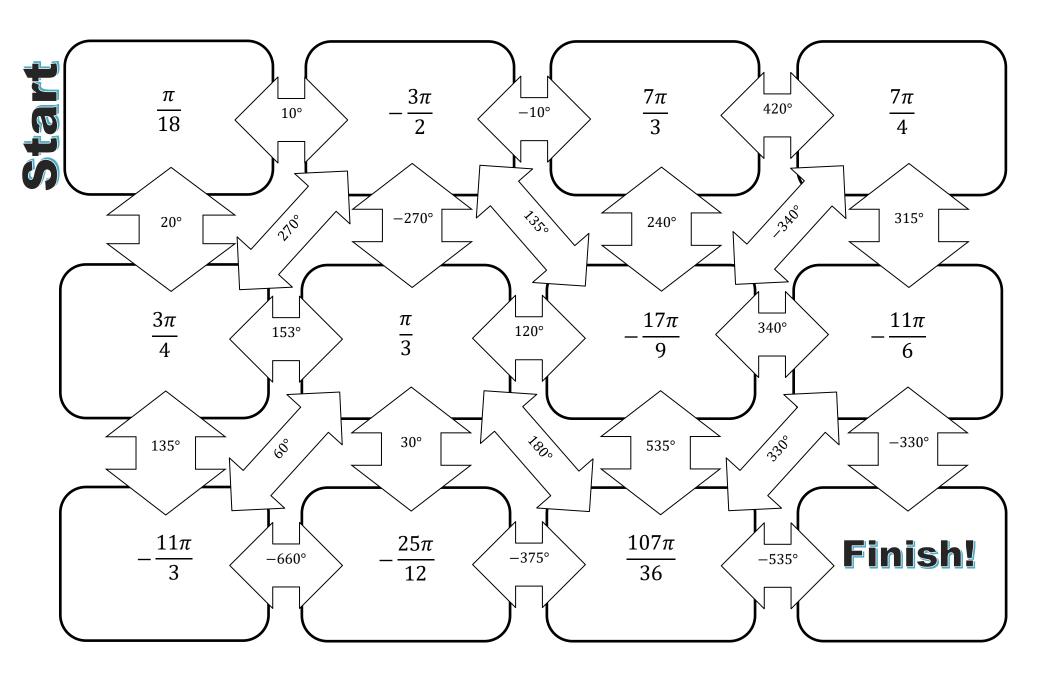
Instructions: Convert each degree measure to radians. Shade or color your path as you go.



Degrees & Radians Conversion

Name: _____ Date: _____

Instructions: Convert each radian measure to degrees. Shade or color you path as you go.



Data

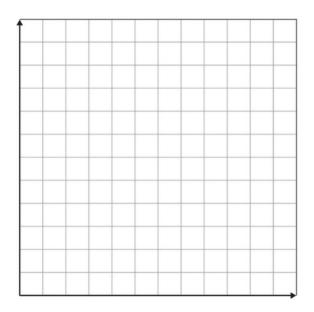
1. The table shows the relationship between students' time studying for a test and their test score. Use the data below to answer the following questions.

a.	Calculate the mean, median, and mode
	of minutes studied.

b. Calculate the mean, median, and mode of the grades.

Table							
minutes studied grades							
20	30						
40	40						
50	40						
60	20						
60	60						
60	95						
70	75						
80	75						
90	90						
90	95						

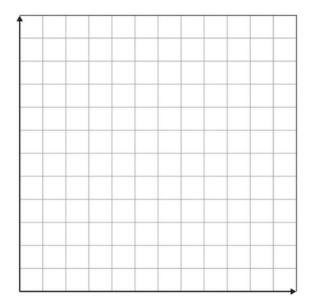
c. Make a scatter plot of the data. Choose and label an appropriate scale. Label the axis and scatter plot. Plot and label the mean point. Draw a line of best fit.



2. The table shows the number of hours students slept and their Schroeder on an exam. Use the data below to answer the following questions.

Hours Slept	8	7	7	8	6	5	7	4	9	7
Test Score	83	86	74	88	76	63	90	60	89	81

- a. Calculate the mean, median, and mode of the hours slept.
- b. Calculate the mean and the median of the test score.
- c. Make a scatter plot of the data. Choose and label an appropriate scale. Label the axis and scatter plot. Plot and label the mean point. Draw a line of best fit.

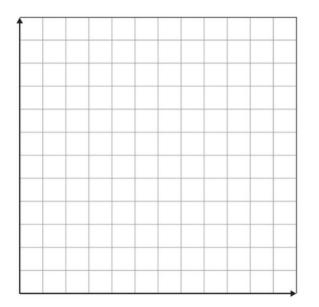


- d. Does there appear to be a relationship between hours slept and test score?
- e. Based on the graph, predict what the median test score would be if the student slept 6.5 hours.

- 3. The table shows the height and weight of four 8th grade boys. Use the data below to answer the following questions.
 - a. Calculate the mean and median of the height.

b. Calculate the mean and the median of the weight.

c. Make a scatter plot of the data. Choose and label an appropriate scale. Label the axis and scatter plot. Plot and label the mean point. Draw a line of best fit.



- d. Does there appear to be a relationship between height and weight?
- e. Based on the graph, predict what the median weight would be for an 8th grade boy 5.5 feet tall.

Solving Multi-Step Equations

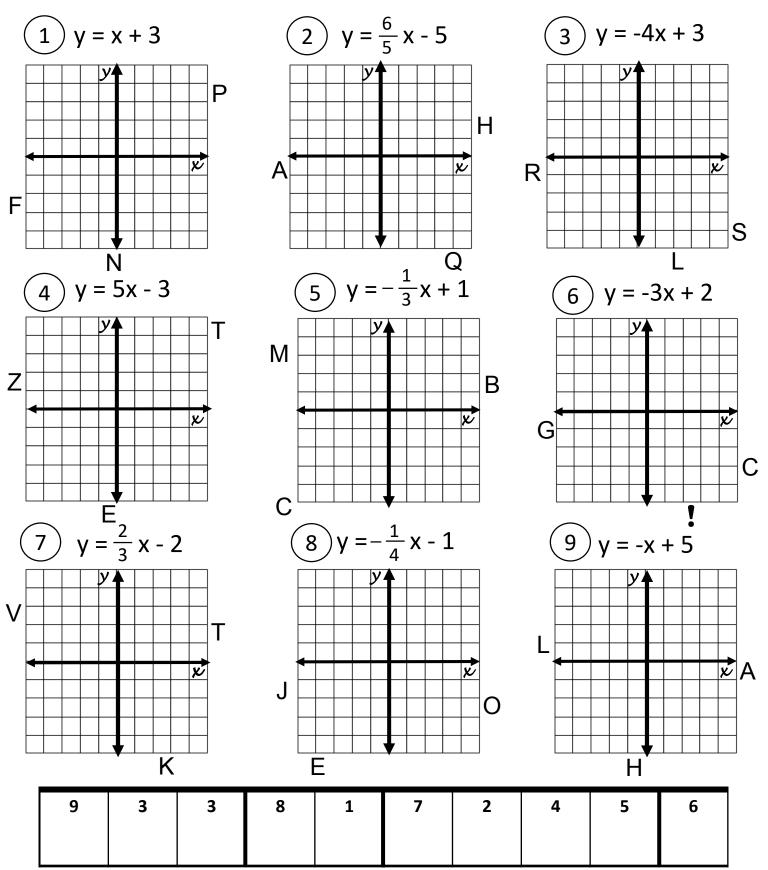
Directions: You need to earn ____ points on this assignment. You get to choose which problems to do. Solve the equation. Justify each step (aka show your work!).

1 point each 4) $\frac{x}{6} = 8$ 2) n - 6 = -7 3) 4q = 521) x + 5 = 82 points each 6) $\frac{a}{3} + 4 = 6$ 7) 8y + 3y = 44 8) $\frac{h+6}{5} = 2$ 5) 3w + 7 = 193 points each 9) 4(x+5) = 3210) 6 + 5(m + 1) = 2611) 27 = 3c - 3(6 - 2c)12) $\frac{2x+26}{5} = 3x$ 12) $\frac{x-3}{2} + 8 = 20$ 12) 5p - 9 = 2(p + 6)



How many months of the year have 28 days?

Use the slope (*m*) & the y-intercept (*b*) to graph each equation below. When graphed, the line will cross through a letter. Write this letter in each box that contains that number below.



Double The Trouble Teachers

Linear Equations and Rates of Change

Use the slope formula to find the rate of change between the two points.

1. (0, - 4) and (- 3, 5)5. (- 3, 7) and (9, - 1)

2. (9, 5) and (-6, 10)

6. (7, 7) and (1, 2)

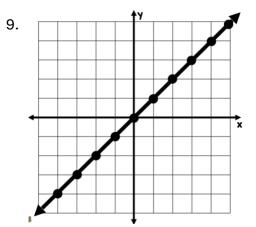
3. (-4, -4) and (4, -2)

7. (- 5, 3) and (3 1)

4. (-5, 4) and (0, -3)

8. (8, 0) and (3, 0)

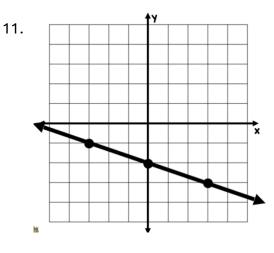
Write the formula for each of the given graphs.



Slope:

y-intercept:

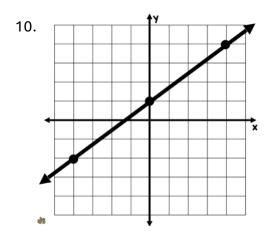
Equation:



Slope:

y-intercept:

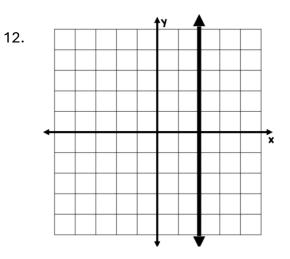




Slope:

y-intercept:

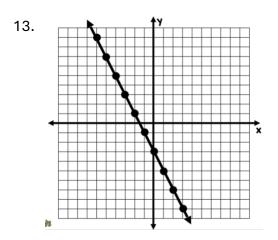
Equation:



Slope:

y-intercept:

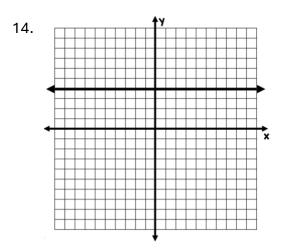
Equation:



Slope:

y-intercept:

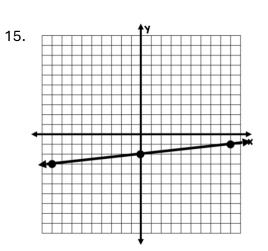
Equation:



Slope:

y-intercept:

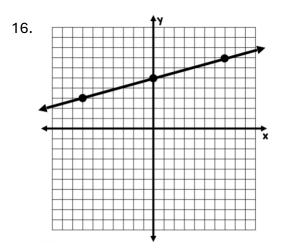
Equation:



Slope:

y-intercept:

Equation:



Slope:

y-intercept:

Equation:

Rearrange Equations

Rearrange the equations to solve for the given variable. Show all steps.

1. Solve for
$$a \quad d = v_1 \Delta t + \frac{1}{2} a \Delta t^2$$

2. Solve for
$$v_1$$
 $d = \left(\frac{v_1 + v_2}{2}\right) \Delta t$

3. Solve for
$$f$$
 $a_c = 4\pi^2 r f^2$

4. Solve for T PV = nRT

5. Solve for v
$$L_m = L_s \sqrt{1 - \frac{v^2}{c^2}}$$

6. Solve for
$$\lambda$$
 $E = \frac{hc}{\lambda}$

7. Solve for *C*
$$c^2 = a^2 + b^2 - 2ab \cos C$$

8. Solve for
$$T$$
 $v = \sqrt{\frac{3RT}{M}}$

9. Solve for
$$M_{2.}$$
 $\frac{r_1}{r_2} = \sqrt{\frac{M_2}{M_1}}$

10. Solve for
$$L$$
 $T = 2\pi \sqrt{\frac{L}{g}}$

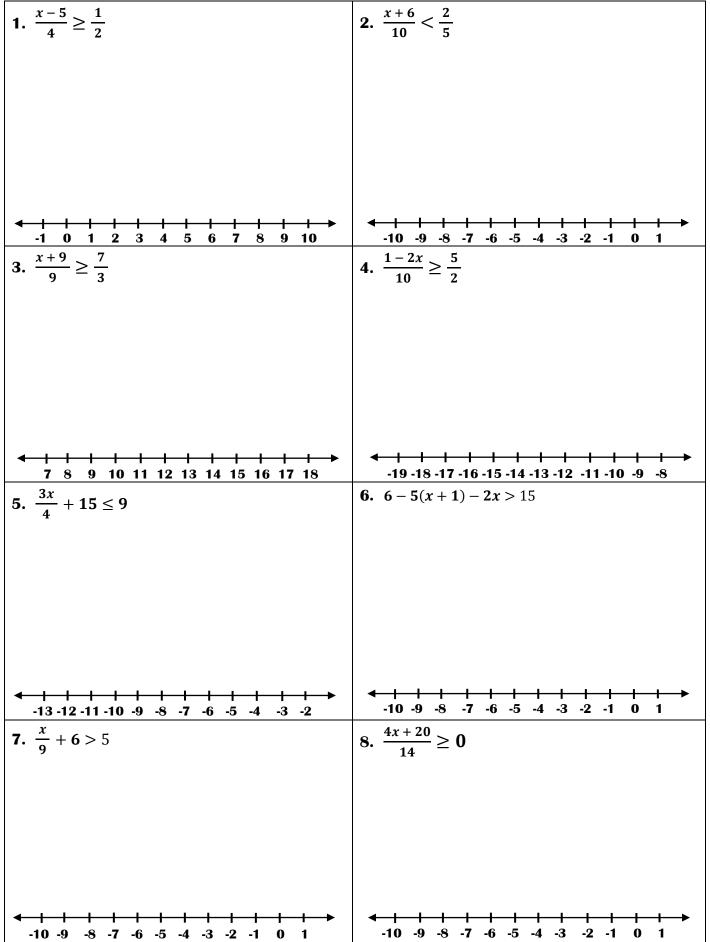
11. Solve for
$$k$$
 $T = 2\pi \sqrt{\frac{m}{k}}$

System of Equations

Solve each system of equations. Show all your work and check your answers.

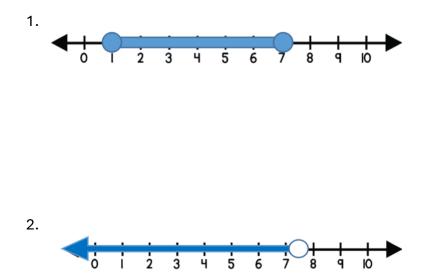
1.) $y = -2$	2.) $y = 3x$
y = 4x + 6	y = -5x - 8
3.) $y = -4x + 5$	4.) $2x + 3y = 12$
y = 2x - 7	x + y = 5
5.) $x = 3y - 1$	6.) $x - y = 2$
x + 2y = 9	4x - 3y = 11
7.) y = 2x - 5	8.) $x = 4 + y$
4x - y = 7	2x - 3y = 1

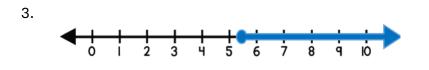
Solve each inequality and graph the solution on the number line.

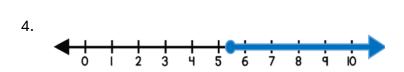


Inequality Notation

Write the graph with inequality notation.

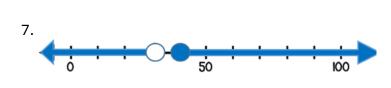


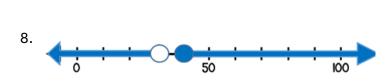


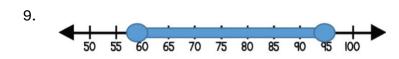


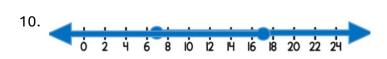


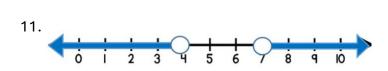


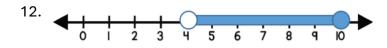








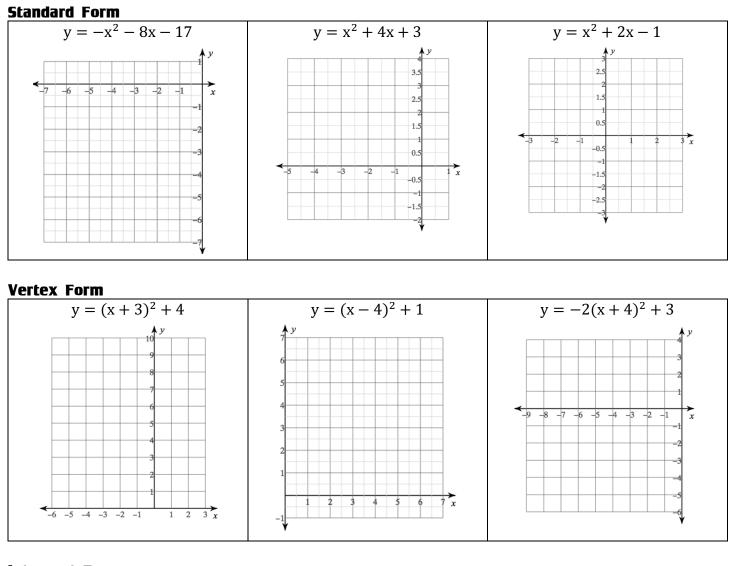




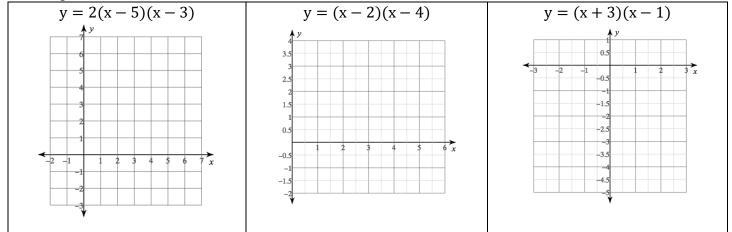
Name: _____

Graphing Quadratic Functions in Standard, Vertex, and Intercept Form

Directions: Graph each quadratic function.



Intercept Form



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Quadratics

Find the factored form, then solve for the roots of the given quadratics.

1. $x^2 + 10x + 9 = 0$

2. $x^2 - 49 = 0$

3. $x^2 - 12x + 27 = 0$

4. $x^2 - 2x - 24 = 0$

5. $x^2 - 11x - 60 = 0$

Solve for the roots of the given quadratics, then multiply to write in the quadratic in standard form.

6. 3x(x+9) = 0

7. 2(x-2)(x+2) = 0

8. (x-2)(x+9) = 0

9. (5x+1)(x-3) = 0

 $10.\,(x-4)(x+4) = 0$

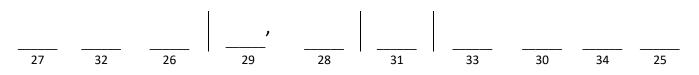
Write the equation in exponential form. Write the equation in logarithmic form. $\underline{\qquad} 4. \ \frac{1}{2}^{-3} = 8$ _____1. $\log_9 3 = \frac{1}{2}$ _____2. $\log_5 \frac{1}{25} = -2$ _____5. $5^3 = 125$ 6. $d^a = n$ 3. $\log_{w} t = c$ Evaluate each logarithm. Each answer should be a whole number. _____9. $\log_{\frac{1}{2}} \frac{1}{2}$ _____8. log₅ 125 ____7. log₉81 _____12. $\log_2 \frac{4}{9}$ _____10. $\log_{12} 144$ _____11. $\log_6 1$ Evaluate each logarithm. Each answer should be negative. $\underline{\qquad 13. \ \log_9 \frac{1}{9}} \qquad \underline{\qquad 14. \ \log_\frac{1}{5} 25} \qquad \underline{\qquad 15. \ \log_\frac{1}{3} 27}$ Evaluate each logarithm. Each answer should be a fraction. _____16. log₈₁ 9 _____17. $\log_8 2$ _____18. $\log_{16} 4$ Evaluate each logarithm. Each answer should be a negative fraction. $\underline{\qquad 19. \ \log_8 \frac{1}{2} \qquad \qquad 20. \ \log_{\frac{1}{9}} 3 \qquad \qquad 21. \ \log_{\frac{1}{8}} 2$ Evaluate each common logarithm. _____23. log 0.01 _____24. log 1,000 22. log 1

Evaluate each logarithm. Then, use the table below to match your answers to complete the riddle.

25.	log ₅ 25	26.	log ₂ 8
27.	log ₉ 1	28.	$\log \frac{1}{10}$
29.	log ₄₉ 7	30.	log ₈ 2
31.	log 10	32.	$\log_6 \frac{1}{36}$
33.	log ₃ 81	34.	$\log_{25}\frac{1}{5}$

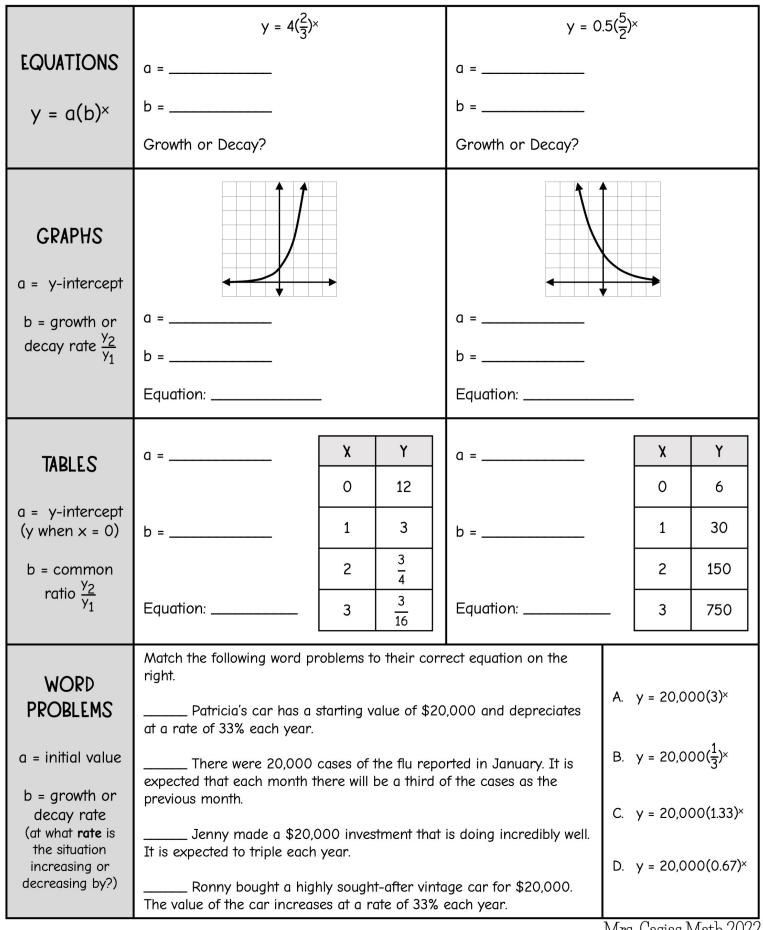
-2	$-\frac{1}{2}$	0	1	3	$\frac{1}{2}$	-1	2	4	$\frac{1}{3}$
E	E	G	А	Е	I	М	Е	Т	R

What did the acorn say when he grew up?



EXPONENTIAL FUNCTIONS

Graphic Organizer



Name:

Distance and Midpoint Map Activity

Use the map to answer the following questions. Give the unit distance and then convert your answers to miles for the distance problems. (Round to nearest tenth)

1. What is the distance between the point in Maine and Tennessee?

2. Find the distance between the point in North Dakota and Oklahoma.

3. Find the distance from the point in California to Kentucky.

4. What is the distance from the point in Washington to the bottom tip of Florida?

5. Find the distance from the point central Texas to the point in Utah. (Use decimal)

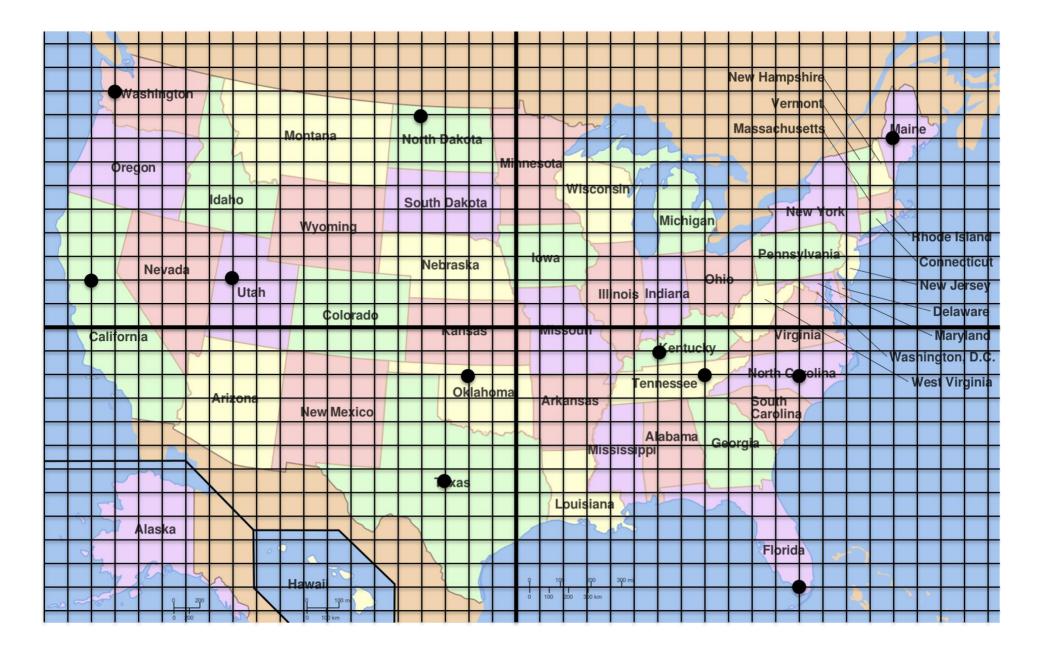
6. Find 2 more distances of you choice: write them coordinates of the point selected below and mark points on the map. Then calculate the distances.

7. Find the midpoint between Maine and California. What state does the midpoint lie in?

8. Find the midpoint between Washington and Kentucky. What state does the midpoint lie in?

9. Determine the midpoint between North Carolina and Utah. Then find the distance between North Carolina and the midpoint.

10. The point in Oklahoma is the midpoint between the point in Texas and the coordinates of a point in what other state? Give the coordinates and the state in which it lies.



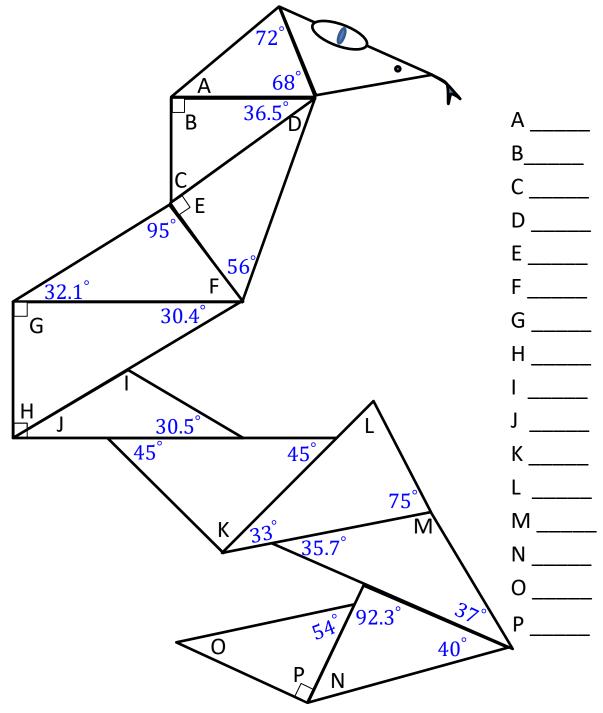
4 units \approx 300 miles



Missing Angles in Triangles

The sum of the angles of any triangle is ____

Find all the missing angles in the triangles. Write each answer on the line provided beside the corresponding letter.



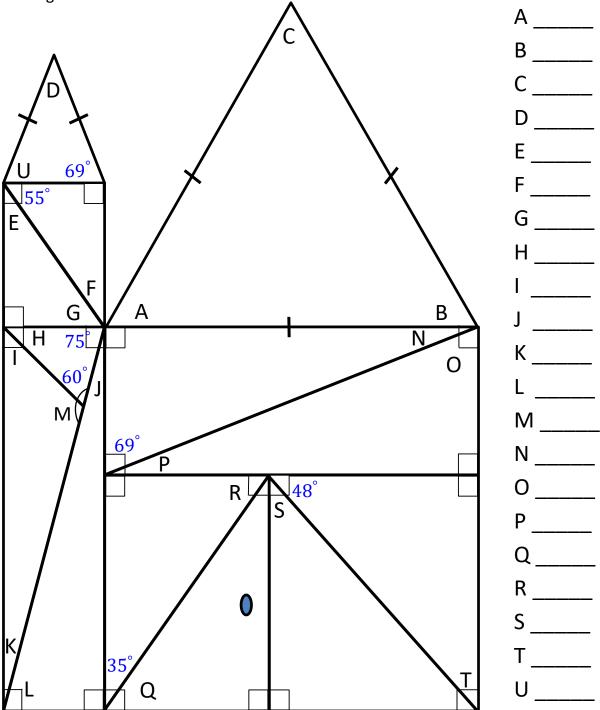


Missing Angles in Triangles

The sum of the angles of any triangle is _____

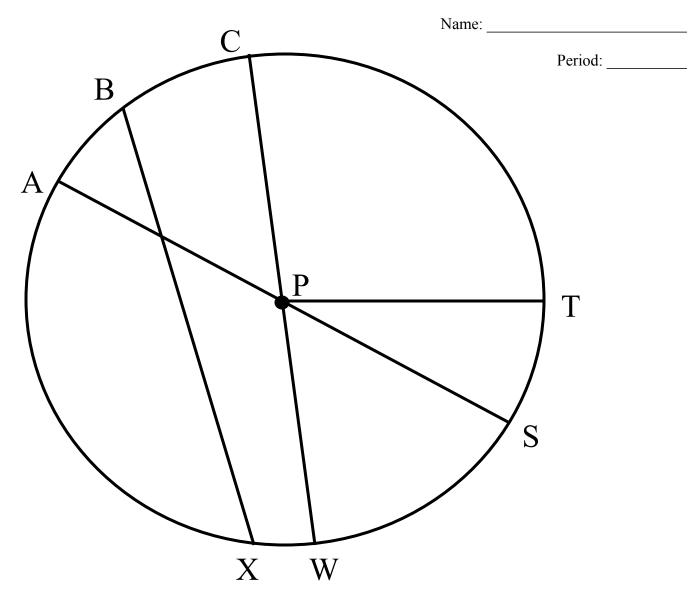
Find all the missing Angles in the triangles. Write each answer on the line provided beside the corresponding letter.

Notice that angle C is in an equilateral triangle and angle D is in an isosceles triangle.



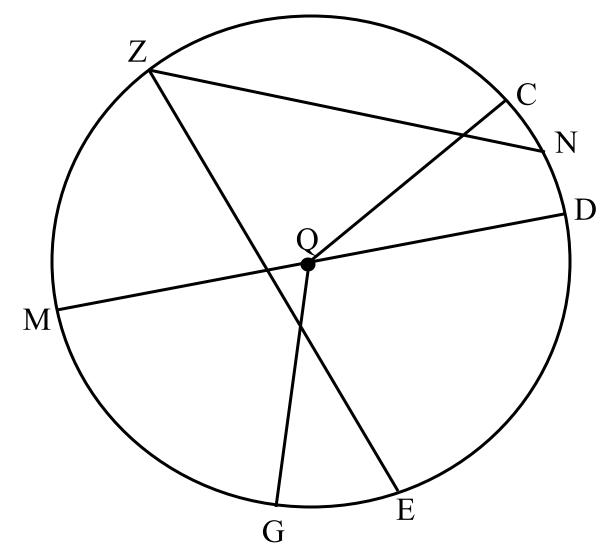
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Math and Matematicas



Use the circle above to write the name using proper notation for the following:

nter: Semicircle:		
Radius:	# of Radii:	
Diameter:	Longest Chord:	
Chord:	Shortest Arc:	
Arc:	# of Diameters:	
Central Angle:	Central Obtuse Angle:	

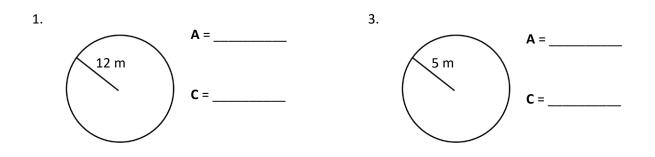


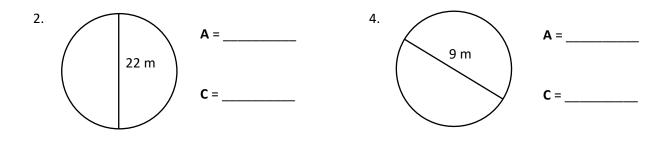
Use the circle above to write the name using proper notation for the following:

Center:	Semicircle:	
Radius:	# of Radii:	
Diameter:	Longest Chord:	
Chord:	Shortest Arc:	
Arc:	# of Diameters:	
Central Angle:	Central Obtuse Angle:	

Area and Circumference of Circles

Directions: Find the area and circumference of the circles below. Round your answer to the tenths place.





Name:

Area and Perimeter

Draw pictures to help you set up the problems. Label your answers and show all work!

1. An index card has a length of 7cm and a width of 4cm. What is its perimeter?

2. A triangular-shaped plot of land has a base of 15 meters and a height of 6 meters. What is the area?

3. The perimeter of a square is 220in. What is the length of each side?

4. A parallelogram has a base of 4cm and a height of 6cm. What is the area?

5. If one side of a stop sign measures 12 inches, what is its perimeter?

6. A trapezoid has bases of 7cm and 5cm, and a height of 3cm. What is its area?

7. A rectangular piece of cardboard has a length of 16 inches and an area of 19 square inches. What is its width?

8. A chessboard has an area of 144 square inches. What is its perimeter?

9. The area of a triangle is 63 square millimeters. If its height is 14 millimeters, what is the length of its base?

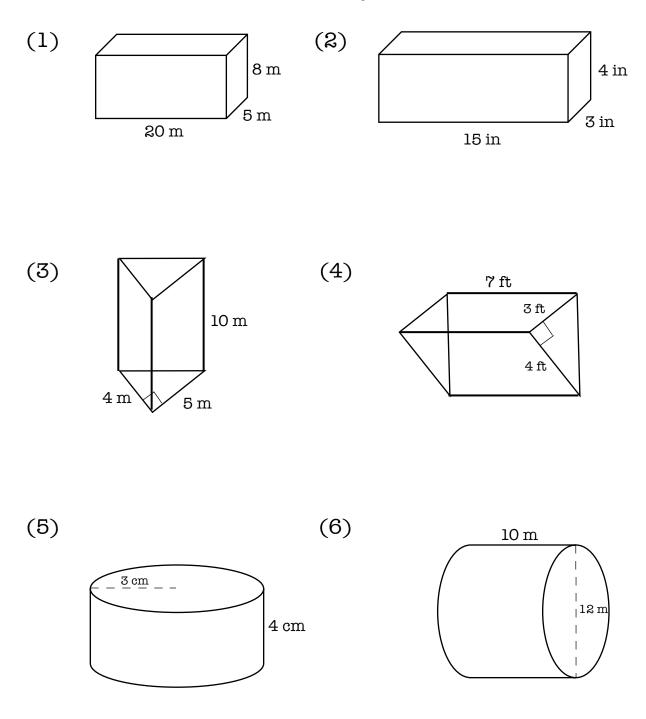
10. If the area of a parallelogram is 52.78 square centimeters and the height is 6.2cm, what is the length of the base?

- 11. A rectangular ice-skating rink measures 50ft by 75ft.
 - a. If it costs \$4.50 per foot to build a railing, how much would it cost to completely enclose the rink with a railing?

b. If the skating rink allows one person for every 10 square feet of ice, how many people are allowed in the rink at one time?

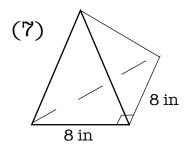


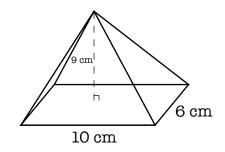
Find the volume of each figure. Use 3.14 for pi and round to the hundredths place if necessary.



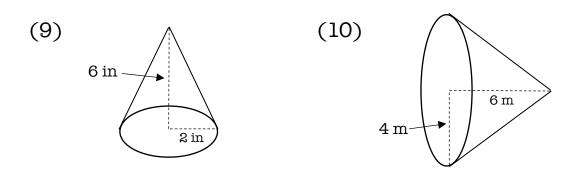
Find the volume of each figure. Use 3.14 for pi and round to the hundredths place if needed.

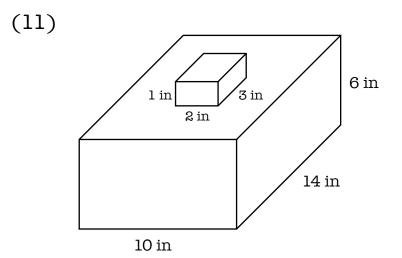
(8)



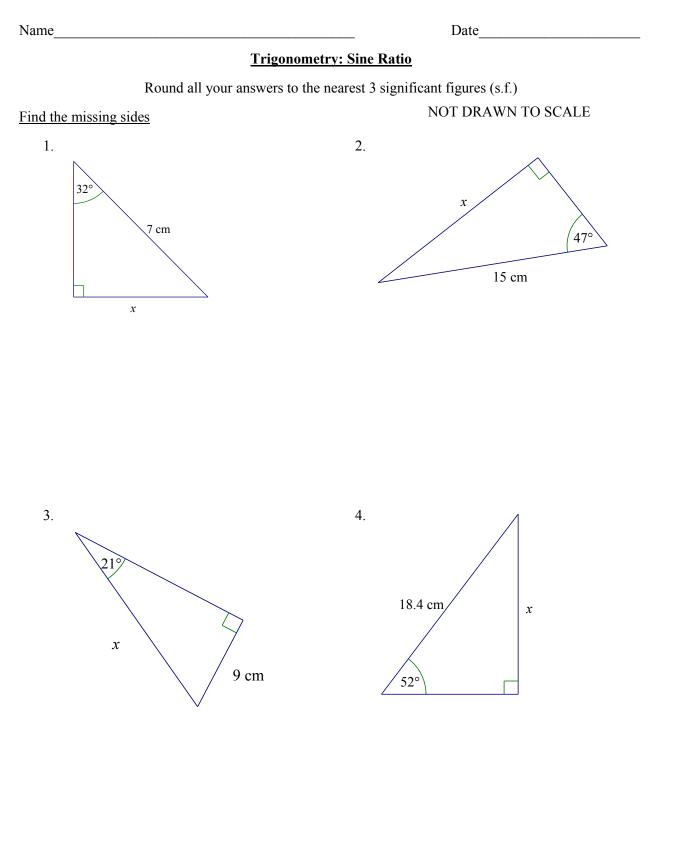


Height of pyramid = 6 in

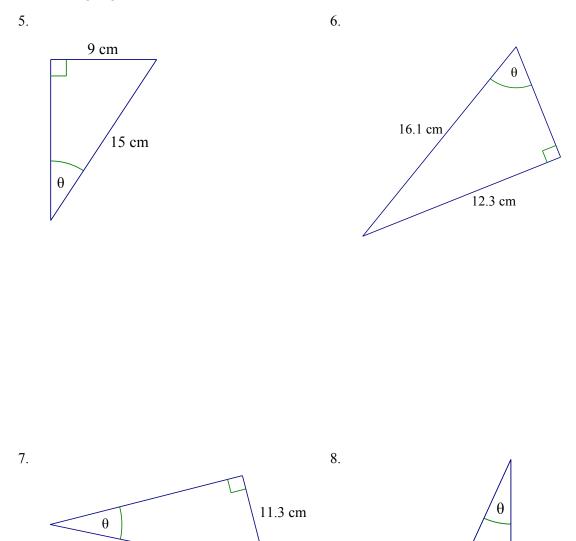




F	Name:	3D S	hapes	Date:
H			ners, edges!	ł
Π	I am a		I am a	I
Н	I have	faces.	I have faces.	ŀ
Н	I have	corners.	I have corner	rs.
Н	I have	edges.	I have edges	·
1	I am a	·	I am a	· [[
H	I have	faces.	I have faces	5.
H	I have	corners.	I have come	ers.
H	I have	_ edges.	I have edge	S.
H				
N	I am a	······································	I am a	
U	I have	faces.	I have faces	s.
	I have	corners.	I have corne	er.
1	I have	edges.	I have edge	<u>s.</u>



Find the missing angles

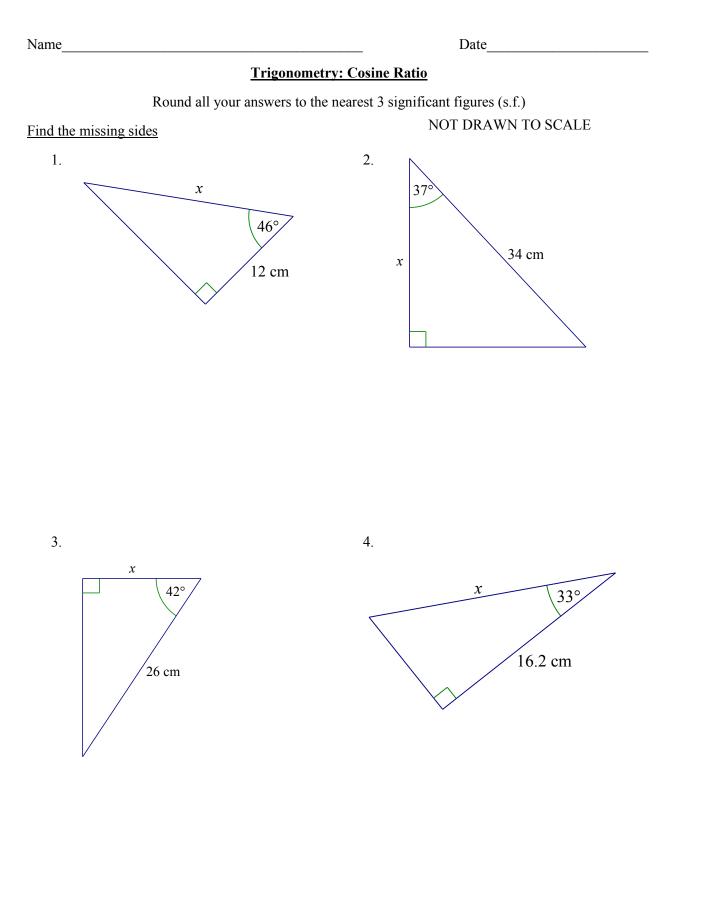


12 cm

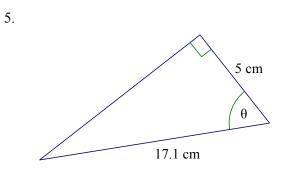
3 cm

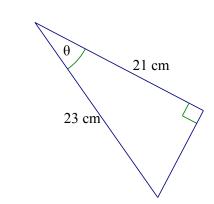
My Math Source

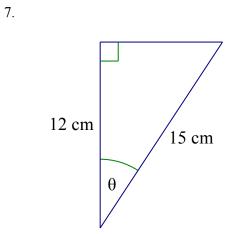
21 cm



Find the missing angles

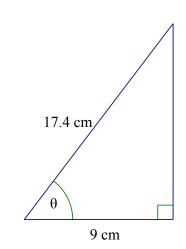


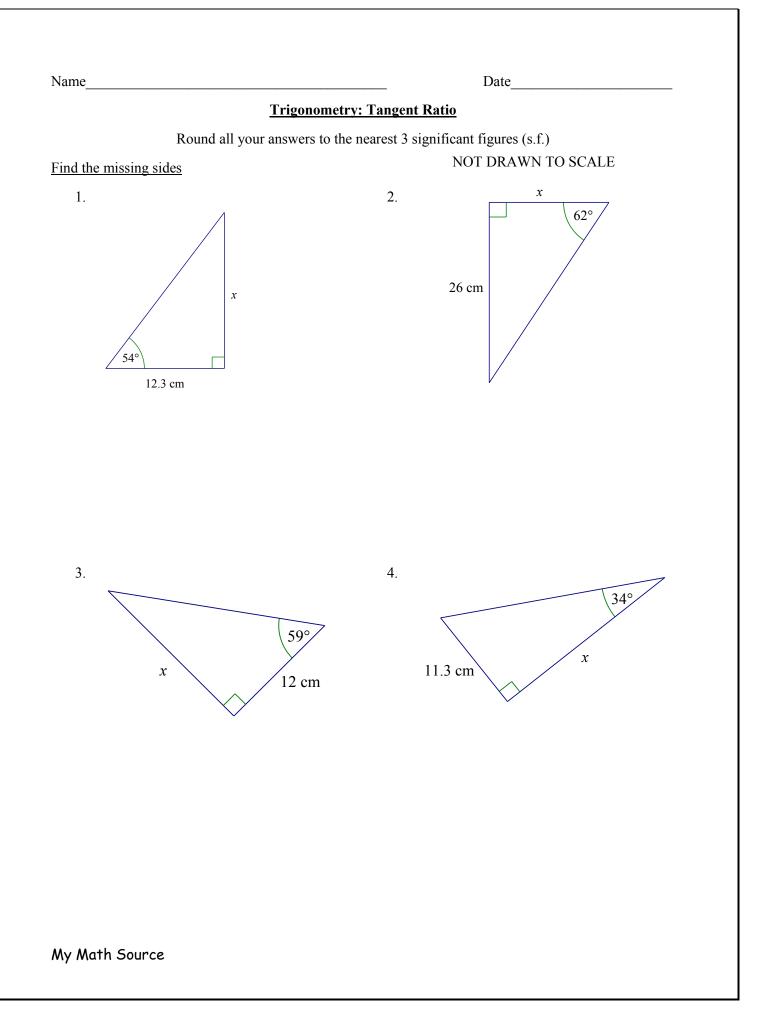




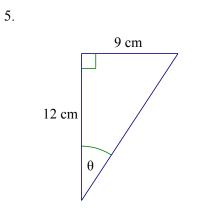
8.

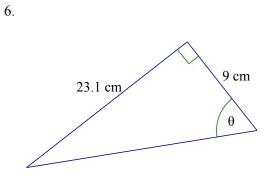
6.



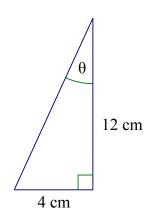


Find the missing angles

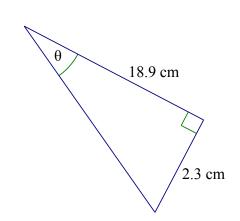




7.



8.



11th Grade Video List

Operations with fractions

a. https://www.youtube.com/watch?v=PXC74Tm7yBY

Solve Expressions

a. https://www.youtube.com/watch?v=8NCwKUnlbRk

Simplify Algebraic Fractions

a. <u>https://www.youtube.com/watch?v=WSQh4o3yu4l</u>

Percent, Ratio, and Percent Change

- a. https://youtu.be/MkpbtCRwcCE
- b. https://www.youtube.com/watch?v=CT6IqIb7urs
- c. https://www.youtube.com/watch?v=5nZEUpZX_P0

Proportions

a. https://www.youtube.com/watch?v=GhC60BmRO2Y

Metric Conversion

a. <u>https://www.youtube.com/watch?v=uHaKyNplino</u>

Degree and Radians Conversion

- a. https://youtu.be/O3jvUZ8wvZs
- b. https://youtu.be/z0-1gBy1ykE

Data Analysis

- a. https://www.youtube.com/watch?v=B1HEzNTGeZ4
- b. <u>https://www.youtube.com/watch?v=NcgRa0uotXs</u>
- c. https://www.youtube.com/watch?v=80DFBfEIX_k

Solving multi-step Equations

- a. <u>https://www.youtube.com/watch?v=oIVpjrD4YvQ</u>
- b. https://www.youtube.com/watch?v=leNCHdO5Lec
- c. https://www.youtube.com/watch?v=76E9K3JzjDM

Graphing Linear Equation

a. https://www.youtube.com/watch?v=ruTcNElXdzQ

Linear Equations and Rates of Change

- a. https://www.youtube.com/watch?v=dfSejN8TJNY
- b. <u>https://www.youtube.com/watch?v=qPJzMboAjl8</u>

Rearrange Equations

- a. https://www.youtube.com/watch?v=5xcMQlshSJM
- b. https://www.youtube.com/watch?v=5xcMQlshSJM

System of Equations

a. <u>https://www.youtube.com/watch?v=oKqtgz2eo-Y</u>

- b. https://www.youtube.com/watch?v=nok99JOhcjo
- c. https://www.youtube.com/watch?v=SpkvJ7N2Adc

Solve Inequalities on a Number Line

a. https://www.youtube.com/watch?v=S_GxAF6xV8Q

Inequality Notation

- a. <u>https://www.youtube.com/watch?v=V6Tw_mUmq6o</u>
- b. <u>https://www.youtube.com/watch?v=LQhhGqk7C88</u>
- c. <u>https://www.youtube.com/watch?v=4W5KYlRz2fM</u>

Graphing Quadratic Functions

a. <u>https://www.youtube.com/watch?v=jGT35UcmjAc</u>

Factoring and solving quadratic equations

a. https://www.youtube.com/watch?v=qeByhTF8WEw

Logarithms

- a. https://www.youtube.com/watch?v=f0C1KL7GkqY
- b. https://www.youtube.com/watch?v=aD8HGqmD39Y

Exponential Functions

a. <u>https://www.youtube.com/watch?v=tAaDltpC8Ol</u>

Distance and Midpoint

a. https://www.youtube.com/watch?v=e7d0wbDCwjk

Triangle Sum Theorem

a. <u>https://www.youtube.com/watch?v=nVFzV4-uOnc</u>

Parts of Circle

a. https://www.youtube.com/watch?app=desktop&v=SULeam8jQfE

Circumference and Area of Circle (do not use 3.14, please use π button on your calculator)

- a. https://www.youtube.com/watch?v=JC2kRM3jTOo
- b. https://www.youtube.com/watch?v=_E0C5ECDS0U

Area and Perimeter

- a. <u>https://www.youtube.com/watch?v=AAY1bsazcgM</u>
- b. https://www.youtube.com/watch?v=lsx1W2zuwHM
- c. <u>https://www.youtube.com/watch?v=CAXJh2avnu8</u>

Volume and Surface Area

- a. https://www.youtube.com/watch?v=jREM6POLQUM
- b. https://www.youtube.com/watch?v=i31InzuKabY
- c. https://www.youtube.com/watch?v=dNDbRbHNXFQ
- d. https://www.youtube.com/watch?v=JUgRPUSxoEc
- e. https://www.youtube.com/watch?v=Pgxlad4c1Zl
- f. <u>https://www.youtube.com/watch?v=e7qgvHbdBuw</u>

- g. https://www.youtube.com/watch?v=JQD_LQTrYA
- h. <u>https://www.youtube.com/watch?v=KhObCvV73go</u>

3D Shape Terminology

a. https://www.youtube.com/watch?v=e2Dj1LsYM84

Trigonometry Ratios

a. <u>https://www.youtube.com/watch?v=jUSxUk9BX-c</u>