

TestiMOANIals



**Are you looking for a
new way to review
for a test?**

**Let us give you a few
ideas!**



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http://www.fcps.edu/LakeBraddockSS/high_school/hs_depts_math.htm

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VOCABULARY CHARADES

OBJECTIVE: Demonstrate knowledge of geometry vocabulary.

SUPPLIES per group:

- Four vocabulary cards (one for each of the members of your group)
- 1 paper towel
- 1 “goodie bag”

PROCEDURE:

1. You will work in a group of four.
2. You will have a vocabulary card that you do not show to the other members of your group.
3. You will take turns, choosing one word at a time from your card. Design a “picture” (laying it out on the paper towel) using the objects in the goodie bag so that your group may guess the word. You may not say nor spell out the vocab word. Continue this process until all words are guessed or the teacher calls time.

POSSIBLE VOCABULARY WORDS ON THE CARDS

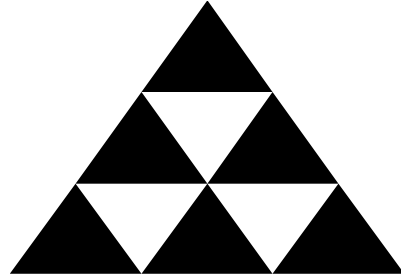
Area	Midpoint	Prism	Square
Cross-section	Parallel	Quadrilateral	Symmetry
Cylinder	Parallelogram	Rectangle	Translation
Dilation	Perimeter	Reflection	Trapezoid
Edge	Perpendicular	Rhombus	Vertices
Face	Polygon	Rotation	Volume

<p style="text-align: center;"> Face Prism Dilation Rotation Midpoint Parallelogram </p>	<p style="text-align: center;"> Edge Volume Parallel Perimeter Trapezoid Translation </p>
<p style="text-align: center;"> Area Vertices Polygon Rectangle Reflection Perpendicular </p>	<p style="text-align: center;"> Square Cylinder Rhombus Symmetry Cross Section Quadrilateral </p>

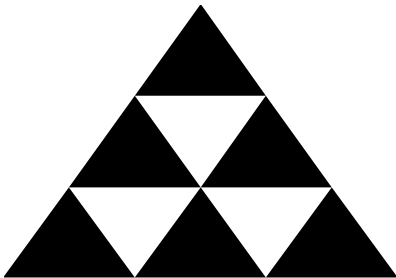
GEOMETRY VOCAB
CHARADES



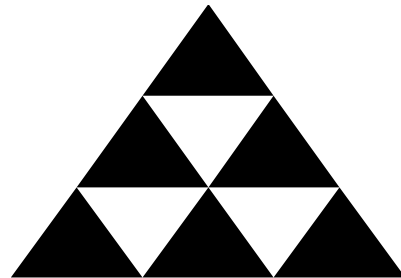
GEOMETRY VOCAB
CHARADES



GEOMETRY VOCAB
CHARADES



GEOMETRY VOCAB
CHARADES





Spicy Plum Chicken Thighs

Recipe courtesy Bobby Flay



http://www.foodnetwork.com/food/recipes/recipe/0,,FOOD_9936_6670,00.html

Plum Sauce 8 chicken thighs, skin on, bone in Salt and freshly ground pepper

1. If $f(x) = 2x$, then $f'(2) =$	— tablespoons peanut oil
2. On $[-2,2]$ $f(x)$ non-differentiable at $x = -1$ and	— small onion, coarsely chopped
3. $f(x) = x^2$ $f'(2) =$	— cloves garlic, coarsely chopped
4. Find $f'(1)$ of $f(x) = \frac{3x}{x^2 + 1} + \ln x$	— tablespoon fresh ginger, coarsely chopped
5. If $y = \left(\frac{1}{\sec^2 x} + \frac{1}{\csc^2 x} \right)^7$ then $y'+1 = ?$	— Thai chile, coarsely chopped
6. If $f(x) = x + \frac{x^2(x-2)}{x+1}$ then $f'(1) =$	— teaspoon ground cinnamon
7. If $f(x) = \frac{x^3 + 2x^2 - x}{x}$ then $f'\left(-\frac{7}{8}\right)$ is	— teaspoon ground cloves
8. $\frac{d}{dx} \left(\frac{e^{\ln 6x}}{4} \right)$	— pounds red or purple plums, pitted and coarsely chopped
9. Given $f(x) = x^3 + 2x^2 + x$ find $f''\left(\frac{-5}{8}\right)$	— cup honey & soy sauce
10. Suppose the u and v are differentiable functions and that $u(0)=1, v(0)=2, u'(0)=3, u'(2)=4, v'(0)=5, v'(1)=6$. If $w = u(v(x))$, find $\frac{w'(0)}{10}$	— tablespoons fresh lime juice
11. Find the velocity at $t = 5$ of a particle that moves along the x -axis and its position in time is given as $s(t) = \frac{t^2 - 1}{t - 1}, t \geq 0$, where t is measured in seconds and s in meters.	— tablespoon granulated sugar

Use side burner or grill. Heat oil in a medium saucepan over medium-high heat. Add onions and garlic and cook until soft. Add ginger, chile pepper, cinnamon and cloves and cook for 2 minutes. Add remaining ingredients and cook until plums are soft and mixture has thickened. Place mixture in a food processor and mix until smooth. Let cool.

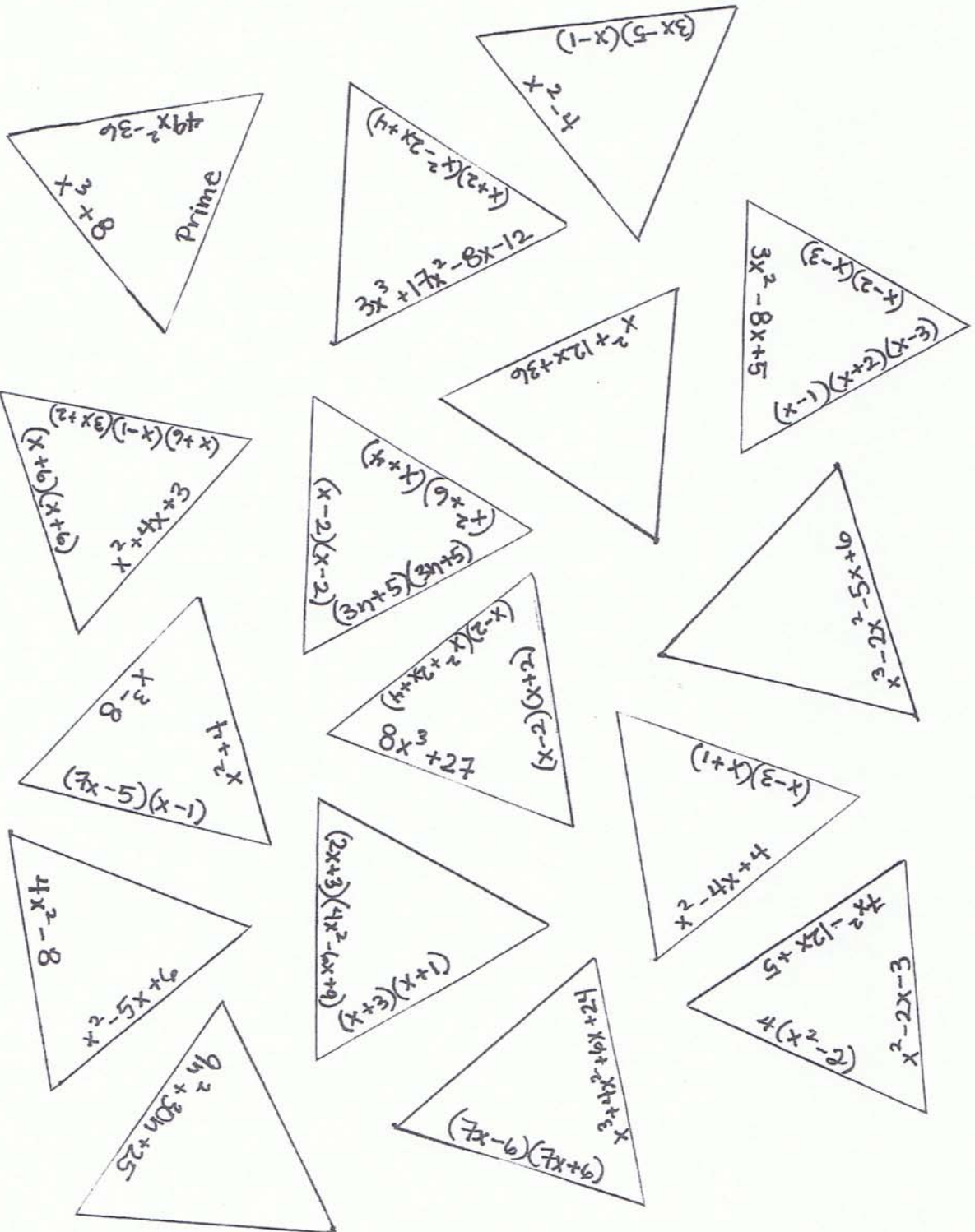
Preheat grill. Season chicken with salt and pepper to taste. Grill, on 1 side for 5 minutes, or until golden brown. Turn the chicken over, brush with the sauce and continue grilling for 3 to 4 minutes, turn over and brush with sauce. Continue grilling and brushing with the sauce until the chicken is cooked through, approximately 12 to 15 minutes Yield: 4 servings

Chocolate Monkey

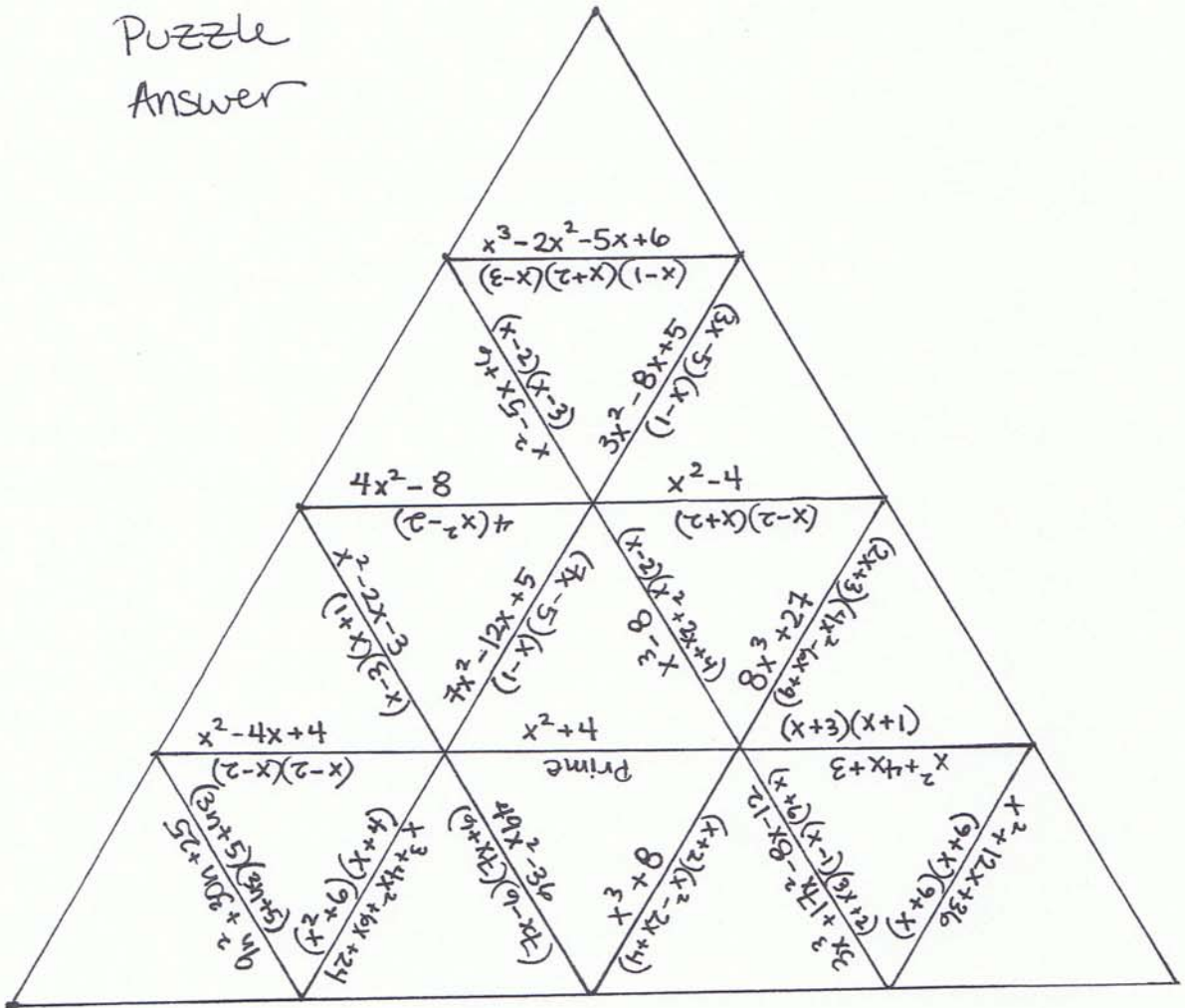
This cool chocolate beverage has a hint of banana. Solve the following problems on _____ to determine the ingredients to make Chocolate Monkey:

1.	<u>2</u> Cup(s) vanilla ice cream, slightly softened
2.	<u>1/2</u> Cup(s) milk
3.	<u>1</u> medium banana, sliced
4	<u>1</u> packet (1 ¼ -ounce) Land O Lakes Cocoa Classics Chocolate Supreme Premium Hot Cocoa Mix
~Place all ingredients in a 5-cup blender container and cover~	
5. (a) (b)	Blend ingredients until smooth- (a) <u>30</u> to (b) <u>60</u> seconds.
6.	Makes <u>4</u> servings.
7.	TIP: For extra fudge flavor, add <u>2</u> tablespoons fudge ice cream topping to mixture and blend until smooth.

Triangle Factoring Puzzle

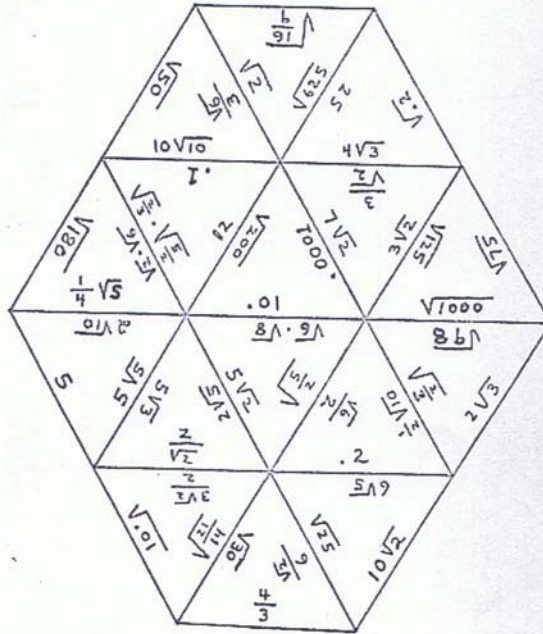


Triangle
Factoring
Puzzle
Answer



Square Root Review

1. Cut out each of the triangles below.
2. Then reassemble them to form one large equilateral triangle in which each pair of adjoining sides is equivalent.



Distributive Property

Name: _____

Date: _____ Period: _____

Directions: Simplify the following expressions by combining like terms and using the distributive property. Match answers below with the appropriate letter.

1. $2(x+1)+x$

2. $(-2)(5y+2)+3y$

3. $2t+(3+5t)(4)$

4. $5+2(a+8)$

5. $5x-2(x+3)$

6. $-2(t-5)+(-5t)$

7. $(6y-2)(3y)$

8. $-2(3a-5)+2a$

9. $5-2(a+8)$

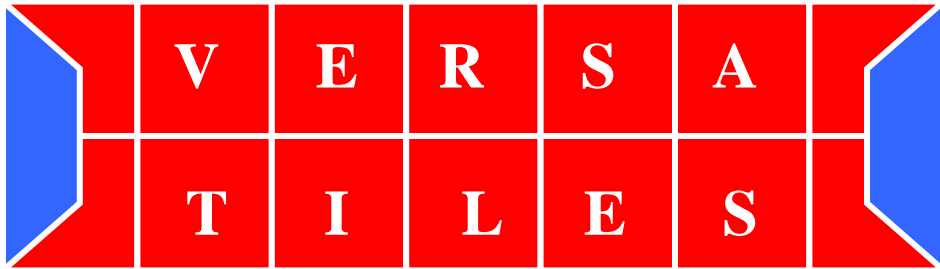
10. $2(3x+1)+x$

11. $-8\left(\frac{-5}{8}x+\frac{3}{4}\right)$

12. $(2-3y)(-7y)$

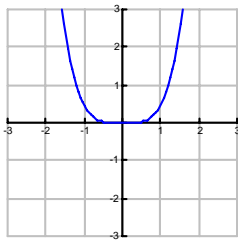
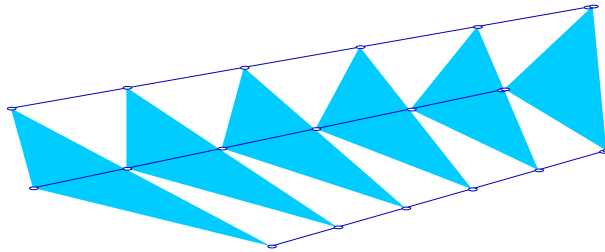
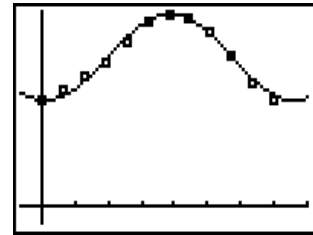
Answer Box

A $-7t+10$	B $-4a+10$	C $2a+21$	D $7x+2$	E $22t+12$	F $5x-6$
G $-14y+21y^2$	H $-7y-4$	I $18y^2-6y$	J $3x+2$	K $3x-6$	L $-2a-11$



MATHEMATICS
Sampler
High School

$$x+2x$$



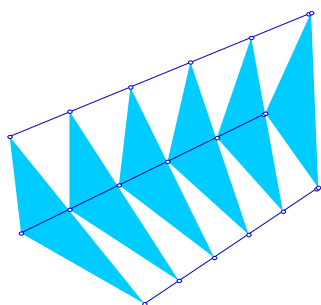
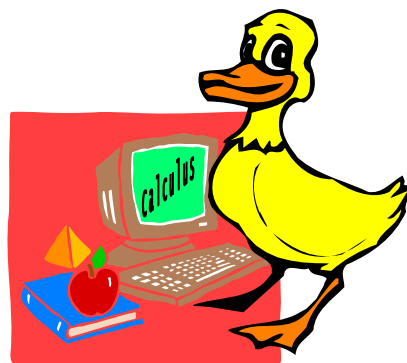


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LINES

1. $y = 2x - 3$ the slope is

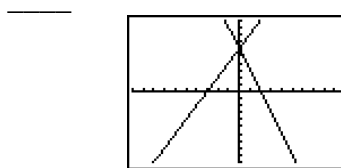
2. $y = 2x - 3$ the y-intercept is

3. $y = 2x - 3$ the x-intercept is

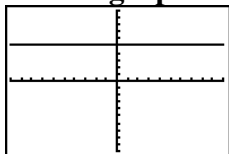
4. The slope of the line
 $y - 4 = (2/3)(x + 1)$ is

5. The slope of the line
 $4x + 2y = 6$ is

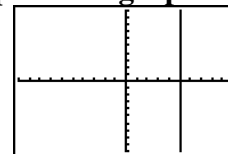
6. The graphs below have the same



7. The slope of the graph is



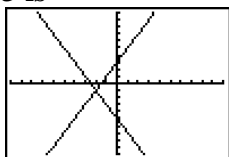
8. The slope of the graph is



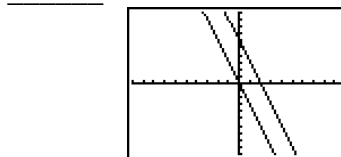
9. The line through points A(1, 3) and B (-2, 0) has slope

10. The line *perpendicular* to $2x + y = 5$ has slope

11. The y coordinate of the point of intersection of $y = -2x - 5$ and $y = 2x + 3$ is

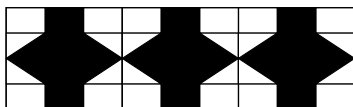


12. The lines below are parallel to each other because they have the same



Answer Box

A slope	B undefined	C -2	D -1	E 0	F 1/2
G y-intercept	H -3	I 3/2	J 1	K 2/3	L 2



Exponents & Radicals

1. $(27xy)^{\frac{1}{3}}$

7. $25x^{\frac{1}{2}}$

2. $(25x)^{\frac{1}{2}}$

8. $\frac{xy^{\frac{1}{2}}}{3x^{\frac{1}{2}}}$

3. $\frac{(xy)^{\frac{1}{2}}}{(3x)^{\frac{1}{2}}}$

9. $\sqrt[3]{\frac{x^6}{y^{-3}}}$

4. $\frac{\sqrt{12x^4y^3}}{\sqrt{24x^3y^2}}$

10. $\sqrt{\frac{x^{-2}y^4}{x^{-2}y^6}}$

5. $\left(\frac{x^2y^{-3}z^{-4}}{x^{-3}y^2z^{-4}}\right)^{\frac{1}{2}}$

11. $\left(\frac{x^2y^{-3}z^{-4}}{x^{-3}y^2z^{-4}}\right)^{-2}$

6. $\left(\frac{x^{-2}}{y^{-2}}\right)^3$

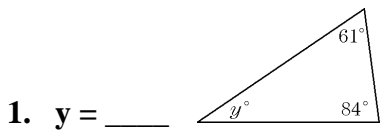
12. $\left(\sqrt{(x^3y^{-2}z^4)(x^{-2}y^{-4}z^5)}\right)^{\frac{0}{3}x}$

Answer Box

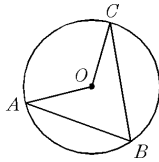
A $x\sqrt{3y}$	B x^2y	C $\sqrt{\frac{xy}{2}}$	D $3\sqrt[3]{xy}$	E $\frac{y^6}{x^6}$	F $5\sqrt{x}$
G $\frac{x^2}{y^2}\sqrt{\frac{x}{y}}$	H $\left(\frac{y}{x}\right)^{10}$	I $25\sqrt{x}$	J y	K 1	L $\frac{x}{3}\sqrt{xy}$



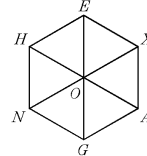
GEOMETRY REVIEW



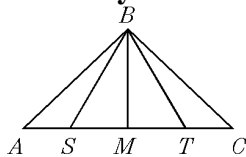
3. If $\angle AOC = 100^\circ$ then $\angle ABC = \underline{\hspace{2cm}}^\circ$



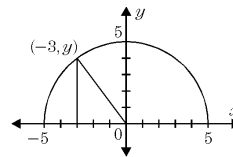
4. What is the area of the regular hexagon given $AX = 2$



5. Given $\overline{AC} \perp \overline{MB}$ and $\overline{AB} = \overline{CB}$ then $\triangle AMB \cong \triangle CMB$ by



6. What is the value of y on the given semicircle?



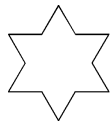
7. The slope of a line through $A(1,-4)$ and $B(x,6)$ is $3/2$. What value of x makes this true?

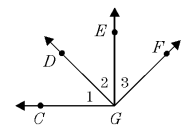
8. If the radius of a sphere is doubled, then the volume of the sphere is increased by a factor of $\underline{\hspace{2cm}}$

9. The point $(2,1)$ is reflected across $y=x$, the image point has x-coordinate $\underline{\hspace{2cm}}$

10. The length of the side of a square is $5\sqrt{2}$. What is the length of the diagonal?

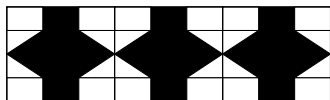
11. How many lines of symmetry does this figure have?



12.  $\overline{CG} \perp \overline{EG}$, $\angle 3 = \angle 1$, $\angle 3 = 2x$ and $\angle 2 = 3x$ then $\angle 1 = \underline{\hspace{2cm}}^\circ$

Answer Box

A 18	B 8	C AAS	D 6	E 7	F 10
G 4	H scalene	I 50	J 1	K $6\sqrt{3}$	L 35



LOGARITHMS



1. $\log 1000 = x$

2. $\log_5(1/125) = x$

3. $\ln e = x$

4. $\ln e^{-2} = x$

5. $\log 2 + \log 4 = \log x$

6. $\log 2 - \log 4 = \log x$

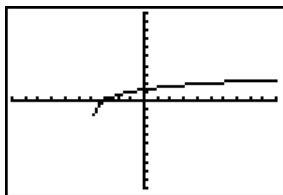
7. $\log_x(1/16) = -2$

8. $\ln 1 = x$

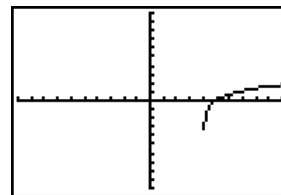
9. $(-1/3)[\log 3 + \log 9] = \log x$

10. $(1/2)\log 64 - \log 4 = \log x$

11. The vertical asymptote for the graph of $y = \log_3(x+4)$ is $x =$



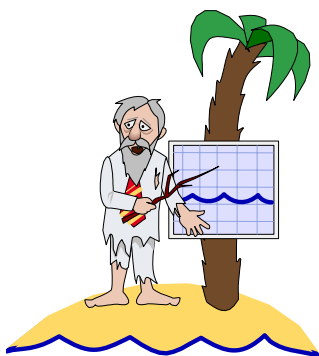
12. The x-intercept for the graph of $y = \ln(x-4)$ is



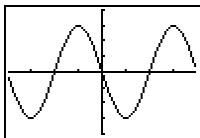
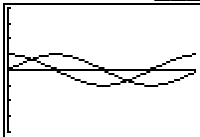
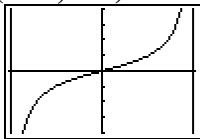
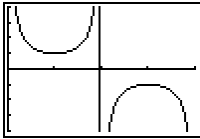
ANSWER BOX

A	B	C	D	E	F
0	5	-4	8	2	4
G	H	I	J	K	L
-3	1/2	1/3	1	3	-2





TRIG GRAPHS

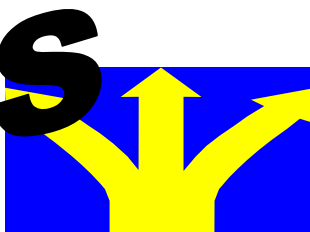
- What is the amplitude of $y = 2\sin 3x + 1$
- What is the period of $y = 2\sin 3x + 1$
- What is the vertical shift of $y = 2\sin 3x + 1$
- Given the period of $\pi/6$, what is the value of B for $y = -2\cos Bx - 5$
- What is the "A" value of the given graph 
- On the interval $(0, 2\pi)$ $y = \sin x$ and $y = \cos x$ intersect at _____ and $5\pi/4$ 
- $y = \tan Bx$ is graphed below on the interval $(-\pi/8, \pi/8)$ B = 
- What is the period of $y = \csc x$ 
- What is the phase shift for $y = -3\sec(x + \pi/4) + 1$
- What is the phase shift for $y = -3\cot(x - \pi/2) + 1$

Answer Box

A	1	B	4	C	$\pi/3$	D	2	E	6	F	$2\pi/3$
G	12	H	$\pi/3$	I	-2	J	2π	K	$\pi/2$	L	$\pi/4$



LIMITS



Evaluate each limit

1) $\lim_{x \rightarrow 0} \frac{\sin x}{x}$

7. $\lim_{x \rightarrow 1^-} \frac{-1}{x-1}$

2) $\lim_{x \rightarrow 0} \frac{1 - \cos x}{x}$

8. $\lim_{x \rightarrow \infty} \frac{2x^5}{x^5 + 3}$

3) $\lim_{x \rightarrow -1} \frac{x^2 - 1}{x + 1}$

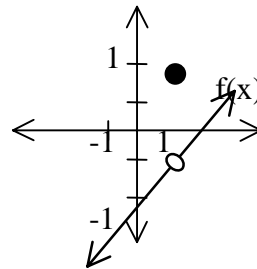
9. $\lim_{x \rightarrow 0} \frac{\sqrt{x+1} - 1}{x}$

4) $\lim_{x \rightarrow -2} \frac{x^3 + 8}{x + 2}$

10. $\lim_{x \rightarrow -11.5} [x]$

5) $\lim_{x \rightarrow 2} \frac{|x-2|}{x-2}$

11. $\lim_{x \rightarrow 1} f(x)$

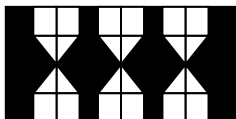


6) $\lim_{x \rightarrow 1^-} \frac{1}{x-1}$

12. $\lim_{h \rightarrow 0} \frac{\sqrt[3]{8+h} - 2}{h}$

Answer Box 

A	1/12	B	2	C	DNE	D	-1/2	E	∞	F	-12
G	$-\infty$	H	0	I	-2	J	1/2	K	12	L	1





SERIES

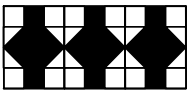
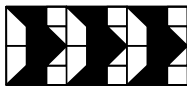



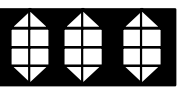
- Find the sum of the series $\sum_{n=1}^{\infty} \frac{2}{4n^2 - 1}$.
- Does this geometric series $\sum_{n=0}^{\infty} \frac{3}{2^n}$ converge or diverge?
- What is the sum of $\sum_{n=0}^{\infty} \frac{3}{2^n}$?
- Does this p-series $\sum_{n=1}^{\infty} \frac{1}{n}$ converge or diverge?
- $\sum_{n=1}^{\infty} (-1)^{n+1} \frac{1}{n}$ converges to ____
- Does $\sum_{n=1}^{\infty} \frac{(-1)^n}{3^n}$ converge absolutely or conditionally?
- Does $\sum_{n=1}^{\infty} \frac{(-1)^n}{\sqrt{n}}$ converge absolutely or conditionally?
- What power series is represented by $1 + x + \frac{x^2}{2!} + \frac{x^3}{3!} + \dots + \frac{x^n}{n!}$?
- What power series is represented by $1 + x + x^2 + x^3 + \dots + x^n$?
- What power series is represented by $1 - \frac{x^2}{2!} + \frac{x^4}{4!} - \frac{x^6}{6!} + \dots + \frac{(-1)^n x^{2n}}{(2n)!}$?
- What power series is represented by $x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \dots + \frac{(-1)^n x^{2n+1}}{(2n+1)!}$?
- Approximate the sum of $\sum_{n=1}^{\infty} (-1)^{n+1} \left(\frac{1}{n!}\right)$ by its first six terms.







Answer Box

A cos x	B conditionally converges	C e^x	D 0.6319	E sin x	F $\ln 2$
G diverge	H 1	I Absolutely Converges	J converge	K 6	L $\frac{1}{1-x}$



Patterns and Pattern Codes for Creating VersaTiles Activities

Pattern 1	Pattern 2	Pattern 3	Pattern 4	Pattern 5	Pattern 6
1. L	1. J	1. B	1. H	1. D	1. E
2. H	2. H	2. F	2. J	2. F	2. C
3. I	3. E	3. I	3. K	3. A	3. B
4. K	4. C	4. G	4. G	4. C	4. F
5. C	5. K	5. C	5. F	5. G	5. H
6. G	6. A	6. K	6. I	6. E	6. D
7. E	7. I	7. A	7. B	7. I	7. L
8. B	8. B	8. L	8. C	8. L	8. I
9. J	9. L	9. D	9. L	9. B	9. A
10. F	10. D	10. H	10. A	10. J	10. K
11. D	11. F	11. J	11. E	11. H	11. G
12. A	12. G	12. E	12. D	12. K	12. J
					

Pattern 7	Pattern 8	Pattern 9	Pattern 10	Pattern 11	Pattern 12
1. K	1. D	1. G	1. A	1. J	1. L
2. G	2. B	2. K	2. C	2. L	2. D
3. J	3. E	3. J	3. F	3. G	3. G
4. L	4. C	4. H	4. B	4. I	4. K
5. D	5. L	5. C	5. K	5. A	5. B
6. H	6. A	6. L	6. D	6. K	6. C
7. F	7. J	7. A	7. G	7. D	7. F
8. A	8. G	8. F	8. J	8. F	8. J
9. I	9. F	9. I	9. E	9. H	9. H
10. E	10. I	10. B	10. H	10. C	10. E
11. C	11. K	11. D	11. L	11. B	11. A
12. B	12. H	12. E	12. I	12. E	12. I
					

Lucky 13

Name _____

Period _____ Date _____

Problem	Show Work	Answer
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		

1

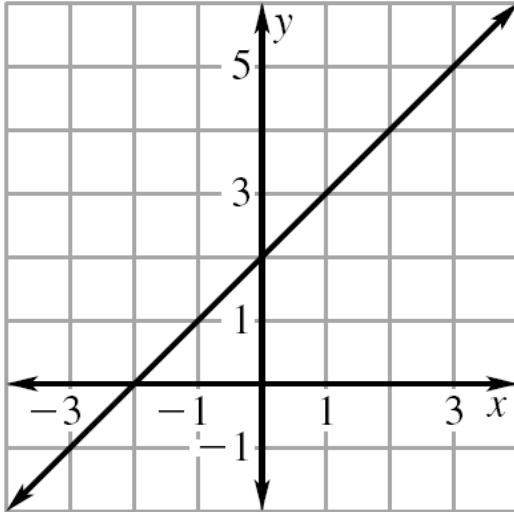
Write an equation of the line that passes through the point $(3, 5)$ and has slope $m = -1$

2

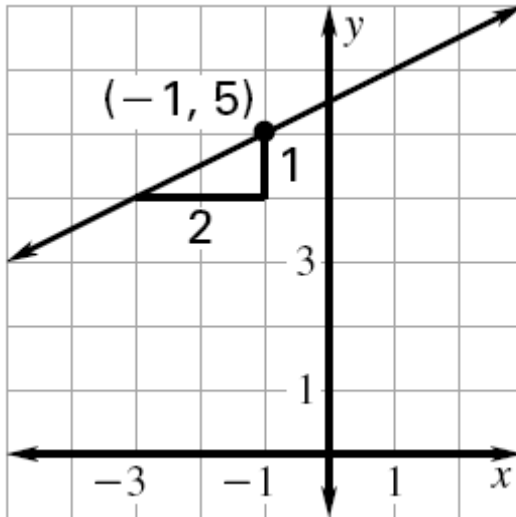
Write the equation of the line when the slope is 4 and the y-intercept is -3

Write the equation of the line on the graph

3



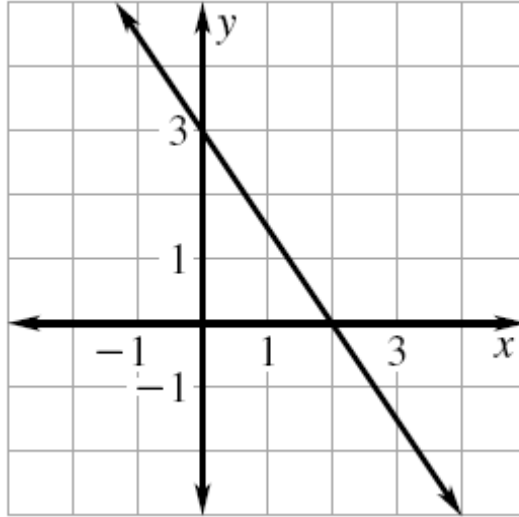
Write the slope-intercept form of the equation of the line



4

5

Write the slope-intercept form of the equation of the line



6

Write the equation of the line that is parallel to the given line and passes through the point

$$y = 5x + 2, (3, 2)$$

7

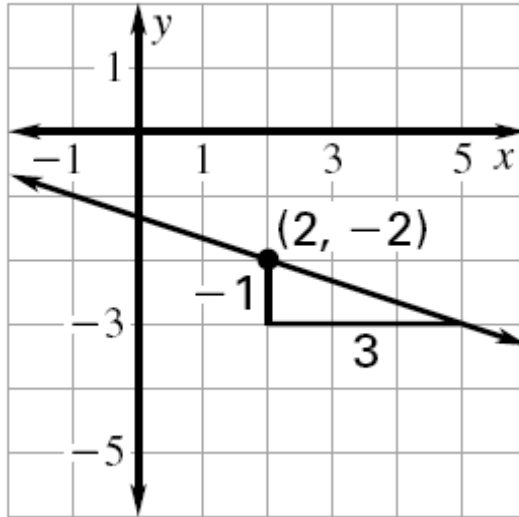
Write the equation of the line that passes through the point $(-11, -7)$ and has a slope of $m = 1$

8

Write the equation of the line that is parallel to the given line and passes through the point

$$2y = 6x - 4, (0, 3)$$

Write the slope-intercept form of the equation of the line



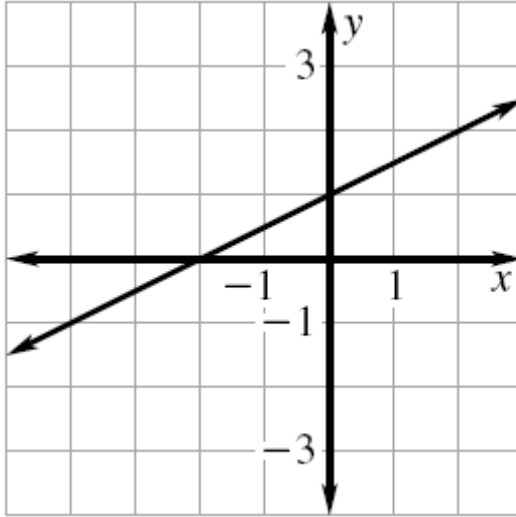
9

10

Write the equation of the line that is parallel to the given line and passes through the point

$$2x - 4y = 8, (-3, 1)$$

Write the slope-intercept form of the equation of the line



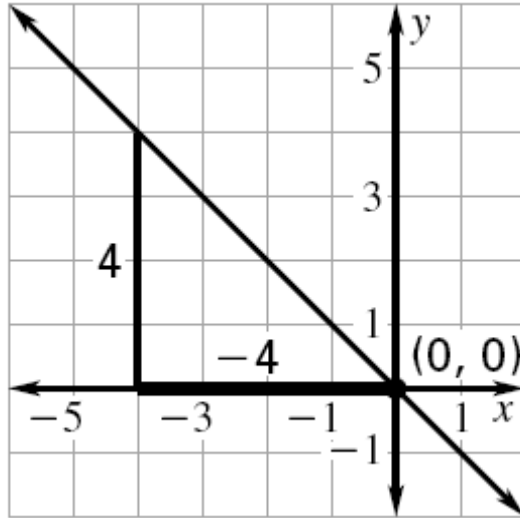
11

12

Write the equation of the line when the slope is $\frac{1}{3}$ and it passes through the point $(0, -5)$

Write the slope-intercept form of the equation of the line

13



Lucky 13

Name _____

Period _____ Date _____

Problem	Show Work	Answer
1		$y = -x + 8$
2		$y = 4x - 3$
3		$y = x + 2$
4		$y = .5x + 5.5$
5		$y = -1.5x + 3$
6		$y = 5x - 13$
7		$y = x + 4$
8		$y = 3x + 3$
9		$y = -(1/3)x - (4/3)$
10		$y = .5x + 2.5$
11		$y = .5x + 1$
12		$y = (1/3)x - 5$
13		$y = -x$

SLOPE ART

Project Requirements:

1. A Title
2. A picture or design formed from the 10 lines by using the 10 given slopes. The lines may be any length. **YOU MAY NOT USE ANY ADDITIONAL LINES.**
3. A full sheet of graph paper on which your design or picture appears.
4. Graph paper placed on construction paper (or the like) for a frame.
5. The slope of each line neatly written very the line.
6. You may use one and only one circle, or 2 half circles.
7. No additional lines or shapes.
8. Colored
9. Decorated border to carry out your theme.

The following 10 slopes must be used:

- | | |
|----------------|---------------------------|
| 1. $m = 0$ | 6. $m = \text{undefined}$ |
| 2. $m = 1/3$ | 7. $m = - 1/2$ |
| 3. $m = 3$ | 8. $m = - 7/2$ |
| 4. $m = 3/4$ | 9. $m = 4$ |
| 5. $m = - 8/3$ | 10. $m = - 2/5$ |

SLOPE PROJECT POINTS

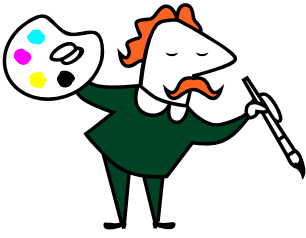
Accuracy (60 points: 6 points for each correct slope)

- | | |
|----------------------|---------------------------------|
| 1. $m = 0$ _____ | 6. $m = \text{undefined}$ _____ |
| 2. $m = 1/3$ _____ | 7. $m = - 1/2$ _____ |
| 3. $m = 3$ _____ | 8. $m = - 7/2$ _____ |
| 4. $m = 3/4$ _____ | 9. $m = 4$ _____ |
| 5. $m = - 8/3$ _____ | 10. $m = - 2/5$ _____ |

Neatness (10 points) _____
Title (2 points) _____
Graph Paper (2 points) _____
Circle/half (4 points) _____

Creativity (10 points) _____
Border (2 points) _____
Slopes Written (10 points) _____

TOTAL POINTS: _____ (100 POINTS)



Quadratic Art

DUE: December 14th/15th 2006
(You will lose one point **each day** it is late.)

Guidelines

- This project consists of creating a picture or design by graphing at least 5 quadratic functions and at least two other functions (linear, absolute value, etc) on the same coordinate plane. **PUT ON YOUR CREATIVE HATS!!!!**
- Other types of functions may also be used (ie. linear functions, absolute value functions, etc) to add detail.
- Use markers/pencils/crayons to color regions of your artwork.
- Additional decoration of the project is encouraged.
- Please show **ALL** work for full credit (i.e. label x- and y- axes, intervals, restricted domain (if applicable) for each equation).
- Attach a piece of paper to your masterpiece with the functions you used on the graph. If you only use part of the graph, be sure to show the restricted domain!
- You may use a calculator or computer to get ideas and do a rough sketch but your final piece should be done by hand on paper. A good website to try some graphs is: www.gcalc.net

Rubric

- 35 points total
 - 21 points for accuracy and neatness of graphs
 - 8 points for creativity
 - 6 points for meeting all guidelines (see the checklist below)

Checklist:

- x- and y- axes labels as well as labels intervals
- 5 quadratic graphs
- 2 other graphs
- color
- attached piece of paper with equations and work
- completed and turned in by Dec 14/15th

Name _____

Checklist:

- x- and y- axes labels as well as labels intervals (4 pts)
- 5 quadratic graphs - attached piece of paper with equations and work (15 pts)
- 2 other graphs (6 pts)
- color/creativity (9 pts)
- completed and turned in by Dec 14/15th (1 pt)

TOTAL:

Name _____

Checklist:

- x- and y- axes labels as well as labels intervals (4 pts)
- 5 quadratic graphs - attached piece of paper with equations and work (15 pts)
- 2 other graphs (6 pts)
- color/creativity (9 pts)
- completed and turned in by Dec 14/15th (1 pt)

TOTAL:

Name _____

Checklist:

- x- and y- axes labels as well as labels intervals (4 pts)
- 5 quadratic graphs - attached piece of paper with equations and work (15 pts)
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TOTAL:

Name _____

Checklist:

- x- and y- axes labels as well as labels intervals (4 pts)
- 5 quadratic graphs - attached piece of paper with equations and work (15 pts)
- 2 other graphs (6 pts)
- color/creativity (9 pts)
- completed and turned in by Dec 14/15th (1 pt)

TOTAL:

Point A is in the interior of $\angle BCD$. $\angle ACD$ and $\angle ACB$ are complementary.	1a	$m\angle ACD = 4x^\circ$	1b
$m\angle ACB = (6x - 10)^\circ$	1c	What is the value of x?	1d
A is between C and D.	2a	$AC = 2x - 6$	2b
$CD = 5x + 10$	2c	$AD = 53$. Find the value of x.	2d
Ray BD is an angle bisector of $\angle ABE$.	3a	$\angle ABD = 36^\circ$	3b
$\angle DBE = (5x + 1)^\circ$	3c	What is the value of x?	3d
$\angle PRQ$ and $\angle QRS$ are a linear pair.	4a	$\angle QRS$ and $\angle SRT$ are a linear pair.	4b
$m\angle PRQ = 60^\circ$	4c	What is $m\angle SRT$?	4d

A, B, C, D, and E are all collinear.	5a	AB = CD = DE	5b
BC = 5	5c	AE = 17. How long is DE?	5d
The coordinates of A are: (-3,-3)	6a	The coordinates of B are: (0,1)	6d
Find the length of segment AB.	6c	Hint: Use the distance formula.	6d
The coordinates of E are: (-4,5)	7a	The coordinates of F are: (2, 8)	7b
Find the coordinates of the midpoint of segment EF.	7c	Your answer is the SUM of the coordinates of the midpoint.	7d
The coordinates of J are: (2,-3)	8a	The coordinates of the M are: (1,5)	8b
Find the coordinates of the other endpoint.	8c	Point M is the midpoint.	8d



Classroom Game Templates








<http://www.murray.k12.ga.us/teacher/kara%20leonard/Mini%20T's/March%20Mini%20T-Games/Games.htm>

Directions for Downloading:

Go to the above website. **RIGHT CLICK** on the activity you wish to download and then **CLICK** "Save Target As."

Once you click "Save Target As," save the activity in your designated place on your computer, such as "My Documents" or create a folder for the activity on your desktop. You can then open up the file you have saved and edit to create your own activity. You can print these instructions if needed.

List of Games	Game Templates	Music, Sound Clips & Directions
	<u>Class Family Feud</u>	<u>Original Family Feud Intro</u> <u>Buzz Sound</u> <u>Face Off</u>
	<u>The Price is Right</u>	<u>Price is Right Intro</u> <u>Barker Says "Goodbye"</u> <u>Car Horn</u> <u>Showcase Show-Down</u>
	<u>100,000 Pyramid</u>	<u>The 100,000 Pyramid Theme</u>
	<u>The Hollywood Squares</u>	<u>Hollywood Squares Theme</u>

	<p><u>The Weakest Link</u></p>	<p><u>Background Music for Weakest Link</u> <u>Link</u> <u>Weakest Link...Good-Bye</u> <u>Join us next time...</u></p>
	<p><u>Who Wants to be a Millionaire</u></p>	<p><u>Millionaire Theme</u></p>
	<p><u>Wheel of Fortune</u> <u>The Spinning Wheel</u> (Print out the "wheel" & create your own Spinning Wheel)</p>	<p><u>Wheel of Fortune Theme</u></p>
	<p><u>Game Show Jeopardy</u></p>	<p><u>Jeopardy Theme</u> <u>Daily Double</u> <u>Jeopardy End of Round</u> <u>Jeopardy Filling Screen with Categories</u> <u>Final Jeopardy Think Theme</u></p>
	<p>NEW <u>Are you Smarter than a 5th Grader?</u> (You can change the grade and questions to fit your grade level)</p>	<p><u>Directions on How to Play</u> <u>Customizing the Game</u> <u>Chalkdust Font</u> <u>Theme Song</u> <u>Rule 1 Music</u> <u>Rule 3 Music</u> <u>5th Question Music</u> <u>Thinking Sound Clip</u> <u>Until Next Time...Sound Clip</u></p>

Game Website Resource:
<http://www.pen.k12.va.us/Div/Winchester/jhhs/math/lessons/malgebra.html>

Directions for Chapter 3 Flipbook:

Correct Order

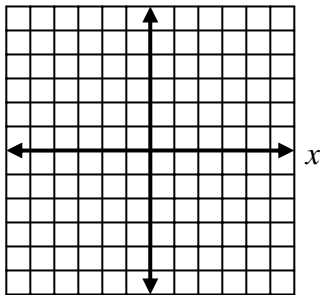
- First: Blank Colored Paper
Second: Blank Colored Paper
Third: Page 5
Fourth: Page 6

Line Up Pages so about 1 inch at bottom of each page is showing, nothing where page titles will be.
Fold over so that 1,2,3,4,5,6,7,8 are showing.
Staple.

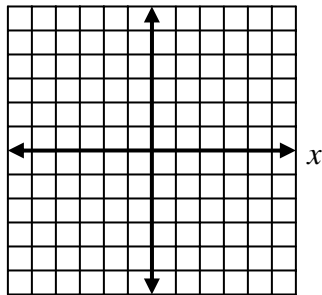
PAGE TITLES:

- 1) 3.1-3.2 Notes
- 2) Is it a solution?
- 3) Solving by Graphing
- 4) How Many Solutions?
- 5) Solving by Substitution
- 6) Solving by Linear Combination
- 7) You Choose!
- 8) Which Method is Best? Helpful Hint Chart

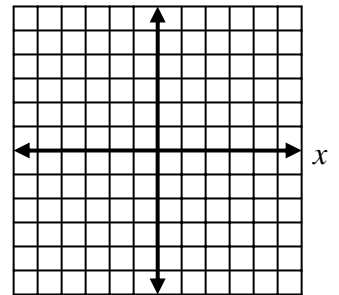
$$1. \begin{cases} 2x + y = 6 \\ y = x + 3 \end{cases}$$



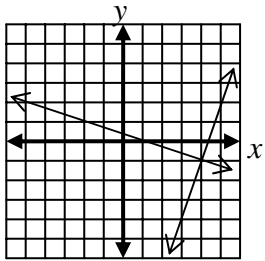
$$2. \begin{cases} y = \frac{1}{3}x - 3 \\ x - y = 1 \end{cases}$$



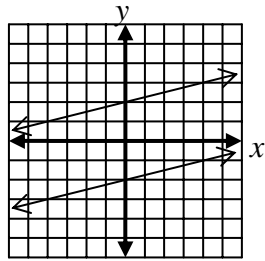
$$3. \begin{cases} 2x - 3y = 1 \\ x + y = 3 \end{cases}$$



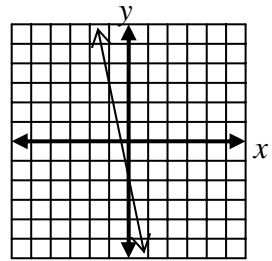
$$1. \begin{cases} x+3y=1 \\ 3x-y=13 \end{cases}$$



$$2. \begin{cases} 2x-8y=-16 \\ -x+4y=-8 \end{cases}$$



$$3. \begin{cases} 5x+2y=-4 \\ -10x-4y=8 \end{cases}$$



$$1. \begin{cases} y = 2x - 8 \\ 3x + 2y = 33 \end{cases}$$

$$2. \begin{cases} 2x - 7y = 50 \\ x = -2y + 3 \end{cases}$$

$$3. \begin{cases} 10x - 3y = -13 \\ 5x - y + 5 = 0 \end{cases}$$

$$1. \quad \begin{cases} 2x+3y=7 \\ -2x+2y=-2 \end{cases}$$

$$2. \quad \begin{cases} 2x-y=2 \\ 4x+3y=24 \end{cases}$$

$$3. \quad \begin{cases} 3x+5y=6 \\ -4x+2y=5 \end{cases}$$

Math Bingo

