

This packet belongs to \_\_\_\_\_ Grade \_\_\_\_\_

Lots of information....

I have dated each of the AMI lessons from here on out. Finish through day 25 (which is April 20) and then begin on the AMI work dated April 21. The last day of school is MAY 8.

Turn in your packets as soon as you get them finished. You can turn them in at Bradbury's, the school drop off, text, or email. I need all the time I can get to grade them.

**ALL AMI WORK WILL BE DUE ON MAY 11 AT THE VERY LATEST! NO EXCEPTIONS!!!**

I have several no name AMI papers. I have them placed in a box in the lobby. If you find your paper, write your name on it and return it back into the box.

Return your books to me as soon as possible. You can lay them in the hallway outside of my classroom or give them to Monica. I have marked the area in the hallway by my door where you (or Monica) are to lay them depending upon the subject.

**I AM MISSING CALCULATOR #26 AND #29.**  
**I NEED THEM BACK IF YOU FORGOT TO RETURN THEM!!!**

You can join my Remind group. It is a great way for us to talk back and forth.

Also, email me if you need to...  
[Mandy.Brown@norfolk.k12.ar.us](mailto:Mandy.Brown@norfolk.k12.ar.us)

Send a text to  
**81010**

Text this message  
**@84e4fcb**

I guess that's about it! Miss you!!  
*Mrs. Brown*

# April 21: Algebra I

Name \_\_\_\_\_

$$\textcircled{21} \quad 8(4k - 4) = -5k - 32$$

$$\textcircled{22} \quad -8(-8x - 6) = -6x - 22$$

$$\textcircled{23} \quad 8(1 + 5x) + 5 = 13 + 5x$$

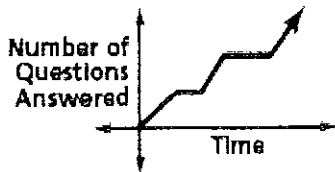
$$\textcircled{24} \quad -11 - 5a = 6(5a + 4)$$

# April 22: Algebra I

Name \_\_\_\_\_

Describe what is happening

12. The graph below represents a student taking an exam.



- The student repeatedly answers questions and then pauses.
- The number of questions answered decreases over time.
- The student repeatedly answers questions without pausing.
- There is no relationship between time and the number of questions.

Solve

13.  $\frac{97 - 25}{41 - 23} = k$

Find the solution

15.  $4b - 8 = 6$

Evaluate

16.  $\frac{(2 \cdot 5)^2 + 4}{3^2 - 5}$

Evaluate

18.  $(15 - 5) \cdot 2$

17. **DINING OUT** The Ross family recently dined at an Italian restaurant. Each of the four family members ordered a pasta dish that cost \$11.50, a drink that cost \$1.50, and dessert that cost \$2.75.

Then find the cost of dining out for the Ross family.

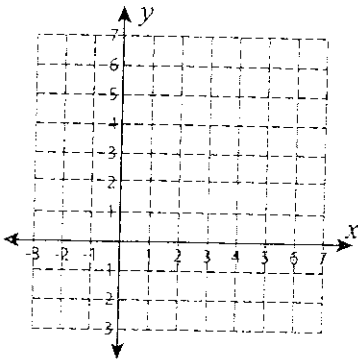
# April 23: Algebra I

Name \_\_\_\_\_

Fill in the table and plot the points.

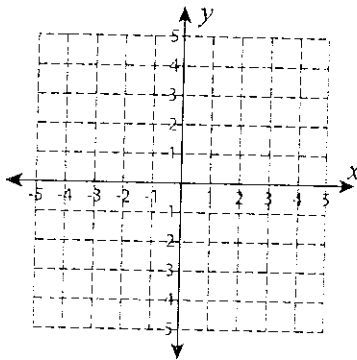
1)  $f(x) = x^2 - 6x + 11$

$x$	1	2	3	4	5
$f(x)$					



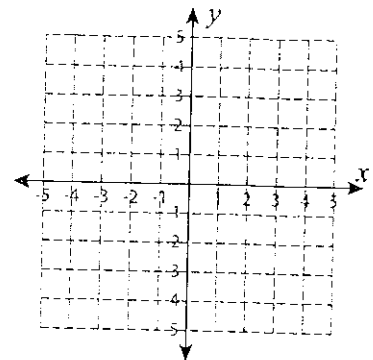
2)  $f(x) = -(x+1)^2 + 3$

$x$	-3	-2	-1	0	1
$f(x)$					



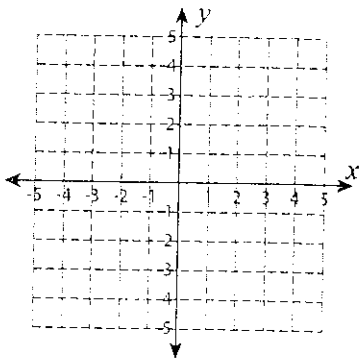
3)  $f(x) = x^2 + 4x + 1$

$x$	-4	-3	-2	-1	0
$f(x)$					



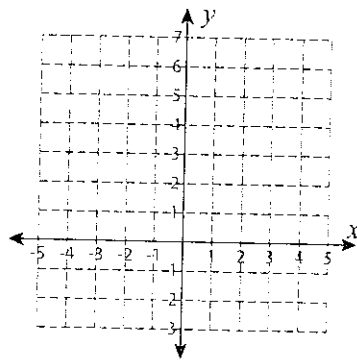
4)  $f(x) = x^2 - 2$

$x$	-2	-1	0	1	2
$f(x)$					



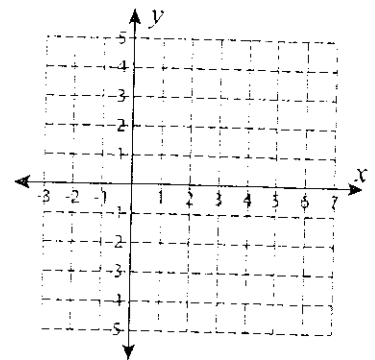
5)  $f(x) = (x-1)^2 + 1$

$x$	-1	0	1	2	3
$f(x)$					



6)  $f(x) = x^2 - 8x + 16$

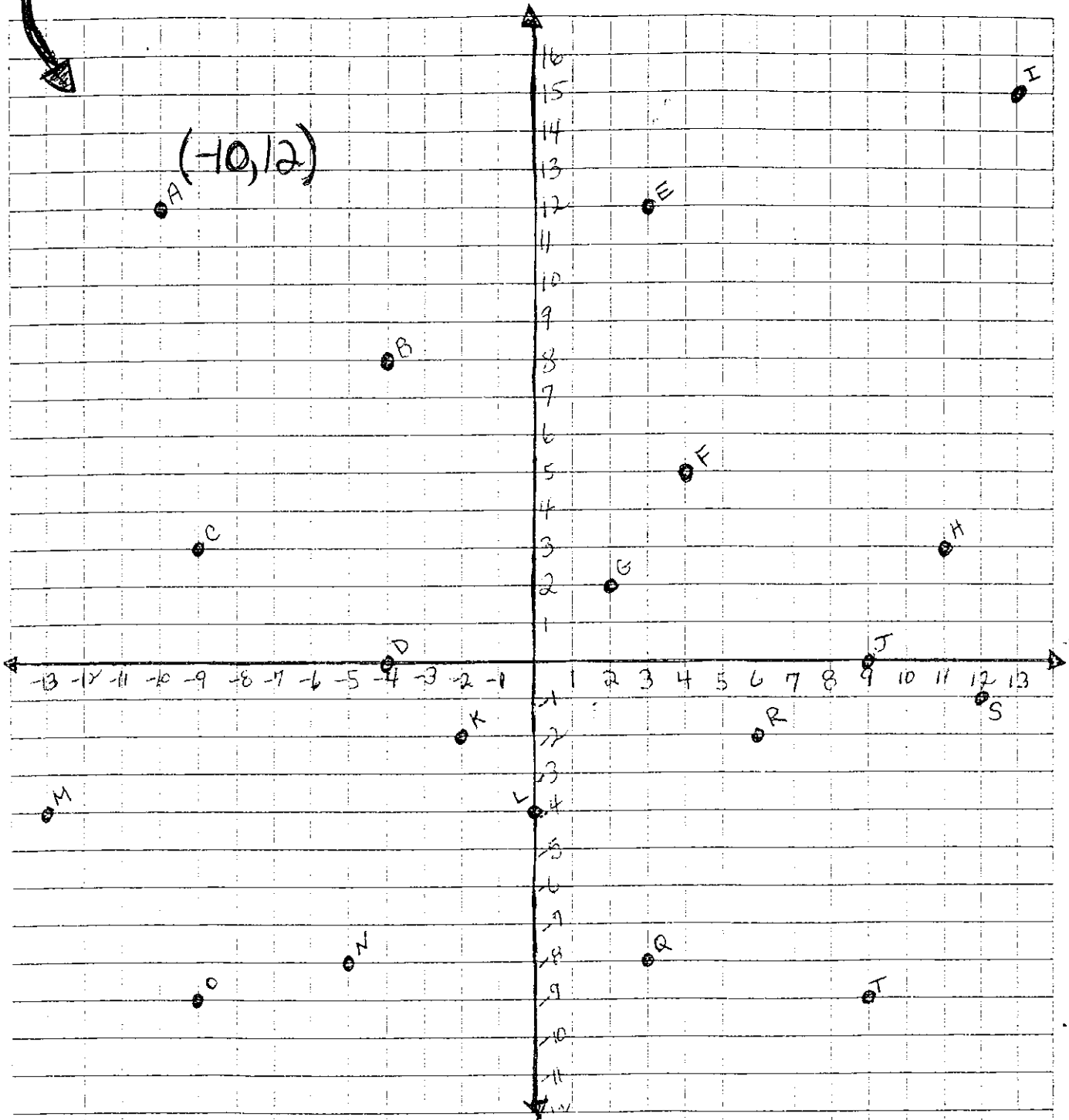
$x$	2	3	4	5	6
$f(x)$					



# April 24: Algebra I

Name \_\_\_\_\_

Write the ordered pair next to each point.  
I did point A as an example



# April 27: Algebra I

Name \_\_\_\_\_

Solve each equation.

$$20. \frac{5(2^2) + 4(3)}{4(2^3 - 4)} = p$$

Evaluate each expression if  $a = 12$ ,  $b = 9$ , and  $c = 4$ .

$$19. \frac{bc^2 + a}{c}$$

aid \$5.00 each for two bracelets and later sold each for \$15.00. She paid \$8.00 each for three of them for \$9.00.

What was her profit?

9. What is the least common multiple of 70, 60, and 50? \_\_\_\_\_

12. Solve \_\_\_\_\_

$$6(x + 2) > 7(x - 5)$$

Evaluate each expression.

$$22. 11^2$$

- a. 22
- b. 121
- c. 111
- d. 112

Solve

$$23. \frac{37 - 9}{18 - 11} = d$$

# April 28: Algebra I

Name \_\_\_\_\_

3. Determine the values requested in the following.

a. If  $y = 2x$  and  $y = 18$ , what is the value of  $x$ ?

b. If  $y = -8x$  and  $x = 3$ , what is the value of  $y$ ?

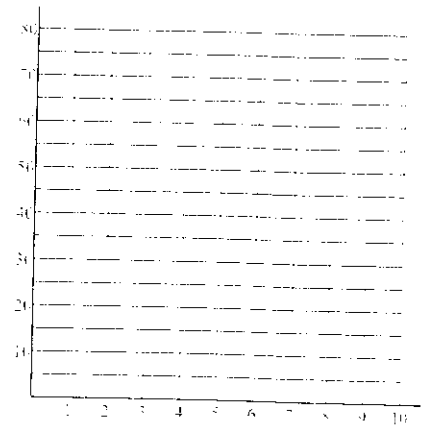
c. If  $y = 15$  and  $y = 6x$ , what is the value of  $x$ ?

d. If  $y = -8$  and  $y = 4 + x$ , what is the value of  $x$ ?

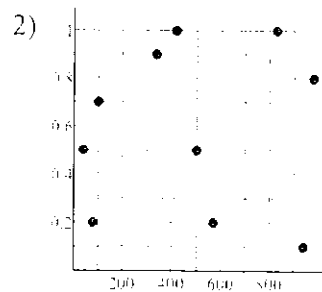
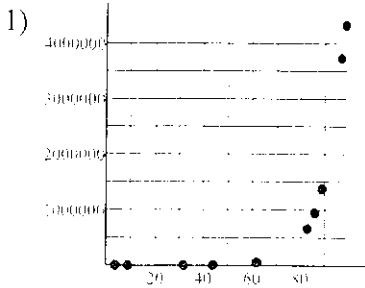
Plot the ordered pairs.

10)

X	Y	X	Y	X	Y
1	20	5	70	7	80
2	40	6	80	9	80
3	50	7	80	10	80
4	60				



State if there appears to be a positive correlation, negative correlation, or no correlation.



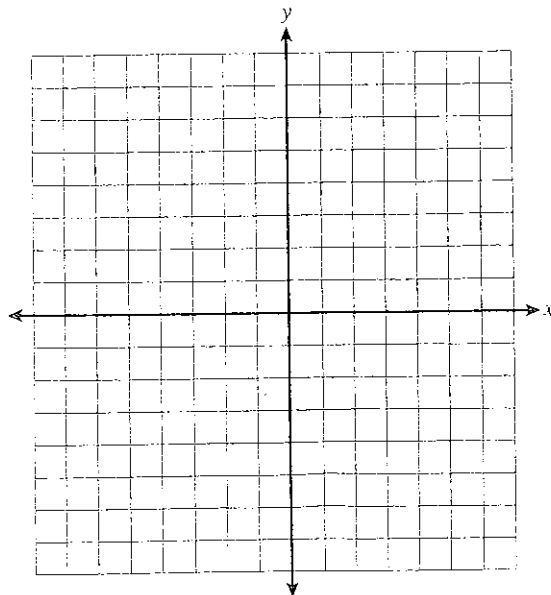
# April 29: Algebra I

Name \_\_\_\_\_

2. Let  $x$  represent any number. Translate each of the following phrases into an algebraic expression.
- a. 5 more than  $x$
  
  - b.  $x$  less than 18
  
  - c. Double  $x$
  
  - d. Divide 4 by  $x$
  
  - e. 17 more than the product of 3 and  $x$
  
  - f. 12 times the sum of 8 and  $x$
  
  - g. 11 times the difference of 14 and  $x$

- 
1. Scale each axis on the coordinate plane below, and plot the points whose coordinates are given in parts a–g.

- a. (1, 2)
- b. (3, -4)
- c. (-2, 5)
- d. (-4, -6)
- e. (0, 4)
- f. (-5, 0)
- g. (0, 0)

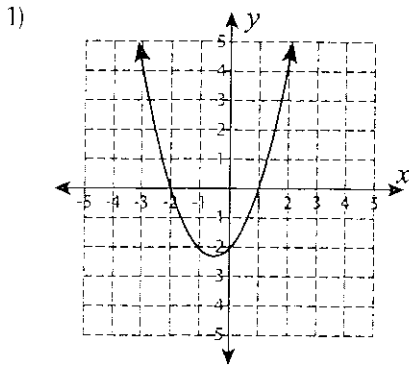




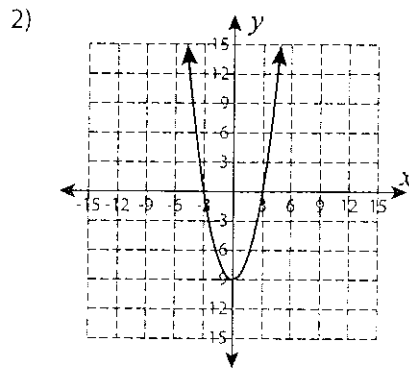
# April 30: Algebra I

Name \_\_\_\_\_

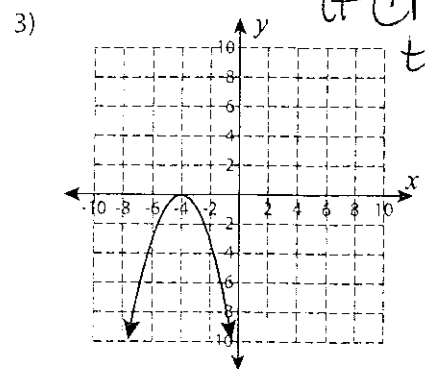
Identify the zeros of each quadratic function. Remember that the zeros are where it crosses the x-axis.



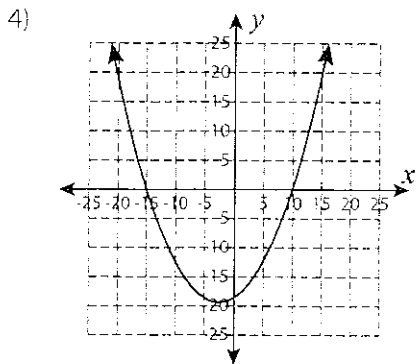
zeros : \_\_\_\_\_



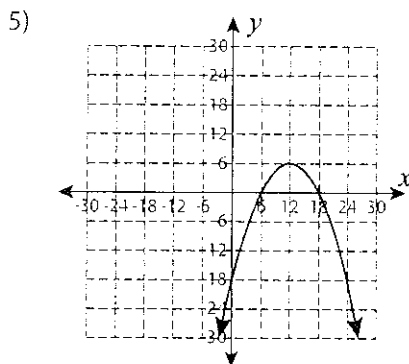
zeros : \_\_\_\_\_



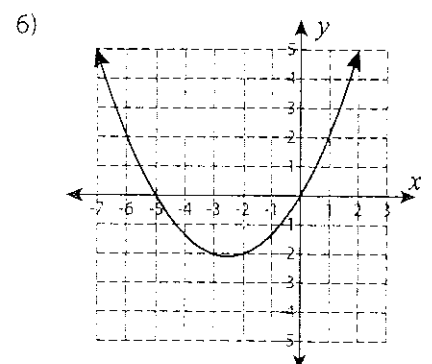
zeros : \_\_\_\_\_



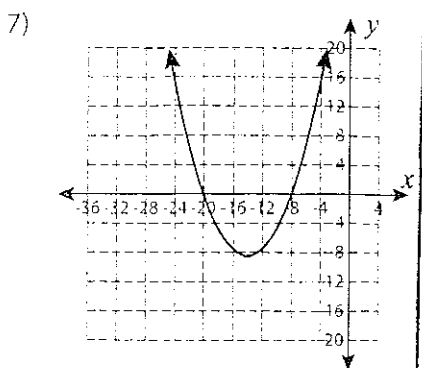
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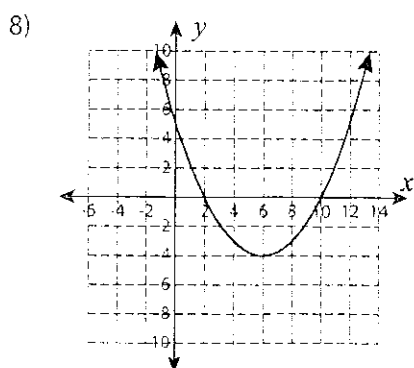
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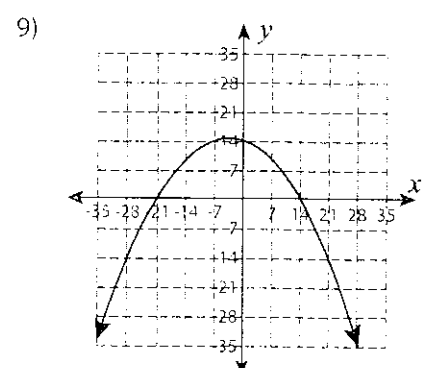
zeros : \_\_\_\_\_



zeros : \_\_\_\_\_



zeros : \_\_\_\_\_



zeros : \_\_\_\_\_

# May 1: Algebra I

Name \_\_\_\_\_

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1. If  $r = 9$ ,  $b = 5$ , and  $g = -6$ , what does  $(r + b - g)(b + g)$  equal? \_\_\_\_\_

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2. A copy machine makes 60 copies per minute. A second copy machine makes 80 copies per minute. The second machine starts making copies 2 minutes after the first machine starts. Both machines stop making copies 8 minutes after the first machine started. Together, the 2 machines made how many copies? \_\_\_\_\_

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3. Marlon is bowling in a tournament and has the highest average after 5 games, with scores of 210, 225, 254, 231, and 280. In order to maintain this exact average, what *must* be Marlon's score for his 6th game? \_\_\_\_\_

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4. What is the mathematical equations equivalent to the statement...

A number,  $x$ , squared is 39 more than the product of 10 and  $x$ ? \_\_\_\_\_

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5. If  $9(x - 9) = -11$ , then  $x =$  \_\_\_\_\_

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# May 4: Algebra I

Name \_\_\_\_\_

Solve each equation.

①  $6a + 5a = -11$

②  $-6n - 2n = 16$

③  $4x + 6 + 3 = 17$

④  $0 = -5n - 2n$

⑤  $6r - 1 + 6r = 11$

⑥  $r + 11 + 8r = 29$

⑬ On Tuesday Shanice bought five hats. On Wednesday half of all the hats that she had were destroyed. On Thursday there were only 17 left. How many did she have on Monday?

⑭ The Cooking Club made some pies to sell at a basketball game to raise money for the new math books. The cafeteria contributed four pies to the sale. Each pie was then cut into five pieces and sold. There were a total of 60 pieces to sell. How many pies did the club make?

# May 5: Algebra I

Name \_\_\_\_\_

$$\textcircled{7} \quad -10 = -14v + 14v$$

$$\textcircled{8} \quad -10p + 9p = 12$$

$$\textcircled{9} \quad 42 = 8m + 13m$$

$$\textcircled{10} \quad a - 2 + 3 = -2$$

$$\textcircled{11} \quad 18 = 3(3x - 6)$$

$$\textcircled{12} \quad 30 = -5(6n + 6)$$

# May 6: Algebra I

Name \_\_\_\_\_

$$\textcircled{13} \quad 37 = -3 + 5(x + 6)$$

$$\textcircled{14} \quad -13 = 5(1 + 4m) - 2m$$

$$\textcircled{25} \quad -5(4x - 2) = -2(3 + 6x)$$

$$\textcircled{26} \quad 5(2x + 6) = -4(-5 - 2x) + 3x$$

# May 7: Algebra I

Name \_\_\_\_\_

$$\textcircled{15} \quad 4(-x + 4) = 12$$

$$\textcircled{16} \quad -2 = -(n - 8)$$

$$\textcircled{17} \quad -6(1 - 5v) = 54$$

$$\textcircled{18} \quad 8 = 8v - 4(v + 8)$$

$$\textcircled{19} \quad 10(1 + 3b) = -20$$

$$\textcircled{20} \quad -5n - 8(1 + 7n) = -8$$

# May 8: Algebra I

Name \_\_\_\_\_

Evaluate each expression if  $a = 12$ ,  $b = 9$ , and  $c = 4$ .

⑥  $b^2 + 2a - c^2$

- a. 89
- b. 146
- c. 26
- d. 209

Write a verbal expression for each algebraic expression.

⑦  $\frac{k^5}{6}$

Simplify each expression.

⑨  $4(6p + 2q - 2p)$

Use the Distributive Property to rewrite each expression.

⑩  $(9 - p)3$

← Hint: this is the same as ...  
 $3(9 - p)$

- ⑪ Gabriel pays \$40 a month for basic cell phone service. In addition, Gabriel can send text messages for \$0.20 each. Find the total amount Gabriel spent this month if he sends 40 text messages.

⑫  $\frac{5^2 \cdot 4 - 5 \cdot 4^2}{5(4)}$