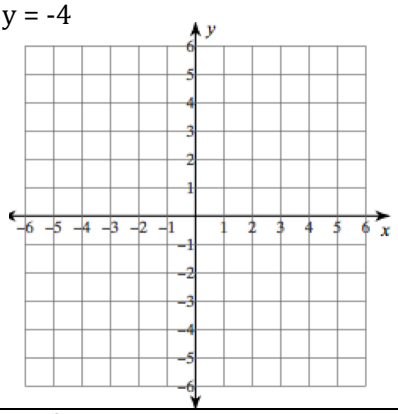
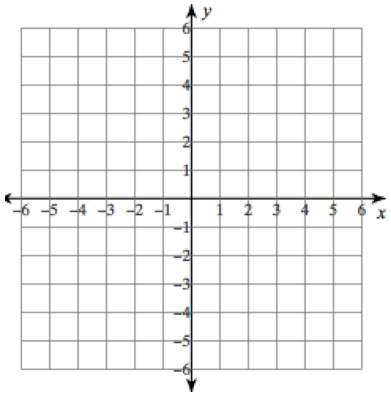
CA

DATE:_____

Skillz Review (1 pt each)		
Graph the line.	Evaluate.	Solve.
1) y = -4 	2) $a^2 - b^5; when\ a = -5\ and\ b = -1$	3) $5 - 4(1 + 8r) = -127$
4) $y = \frac{3}{2}x + 3$ 	5) $-v^3 - 2v^2; when\ v = 3$	6) $-8k + 1 = 4 - 8k$

Directions: Solve and graph each inequality. 5 points each.	
1) $60 < 4x$ 	2) $p - 1 \geq -16$ 
3) $9.33 \geq p - 7.6$ 	4) $1 - 5n - 7n < 1$ 

6) The sum of 5w and 7 is less than the sum of w and 7.

Directions: Solve each inequality. 4 points each.

7) $-101 \geq 4 - 5(6 - 3n)$

8) $n + 2 < -6 + 5n$

Directions: Solve each equation. 4 points each.

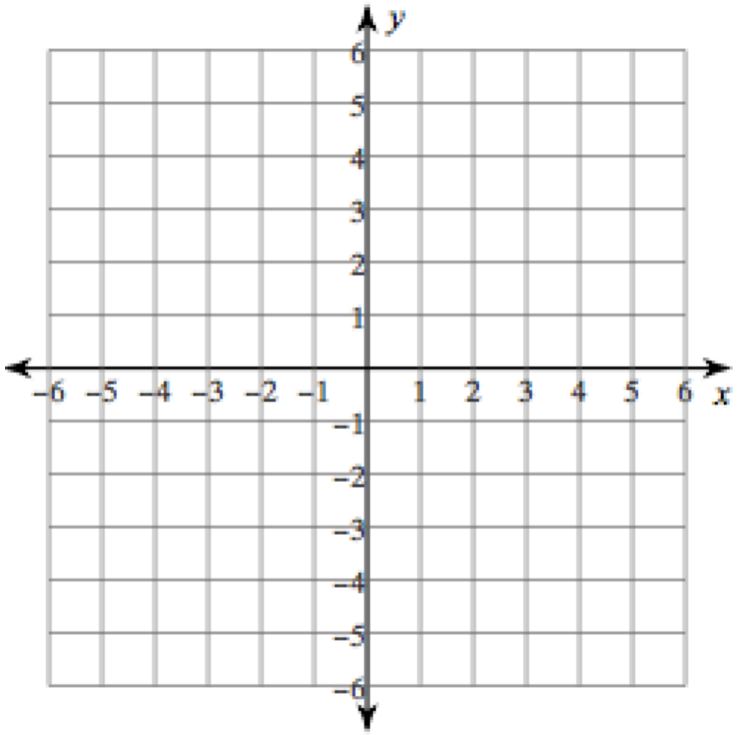
9) $|n - 4| = 11$

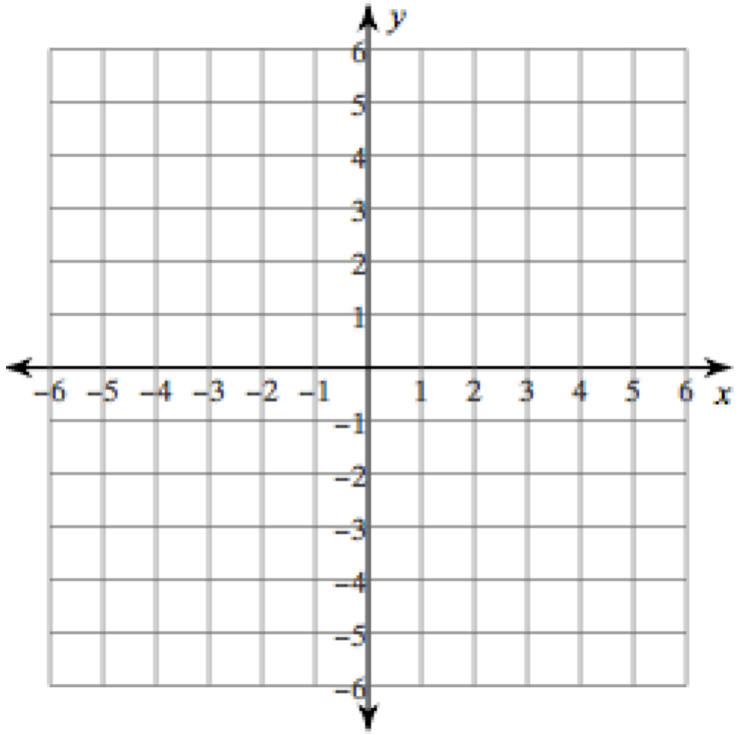
10) $\left|\frac{x}{9}\right| = 4$

11) $\frac{|h-6|}{9} = 1$

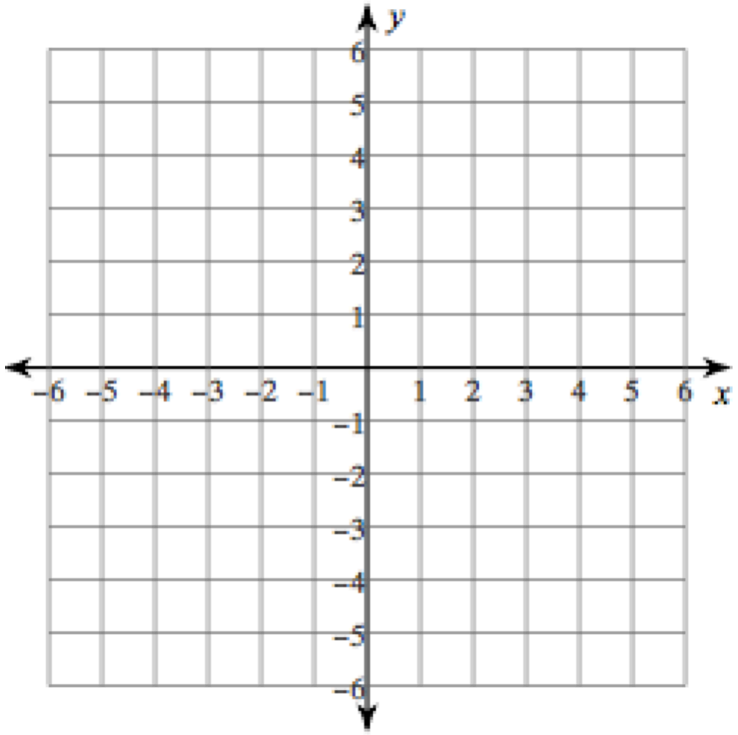
12) $2 + 6\left|\frac{b}{10}\right| = 8$

13) $y < -\frac{1}{2}x + 3$

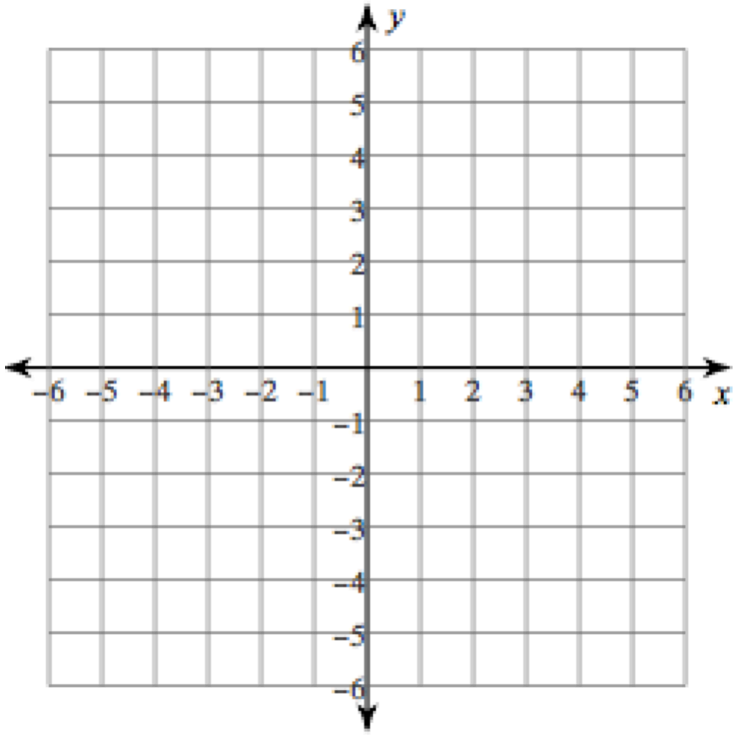




15) $4y \leq 2x - 8$

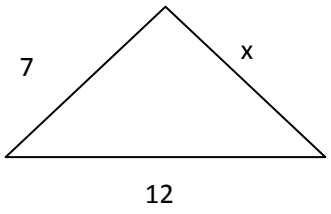


16) $4x - 2y > 6$



2 POINTS FOR EACH PART!

1) perimeter < 25



2) area < 92

3) Mr. Brust is speed eating spring rolls. He's eaten 8 and continues to eat 4.5 every minute. He needs to eat no less than 44 to tie Mr. Bean's record.

a) Write an inequality for the above situation.

b) Solve your inequality.

4) Mr. Kelly has 33 marbles. Sully bets him that he can't say the alphabet backwards. If Mr. Kelly wins he gets 13 more marbles from Sully. If he loses he has to give 13 marbles to Sully.

a) Write an absolute value equation for the above situation.

b) Solve your equation.

5) Mr. Bean loves DR. PEPPER. He can never decide which size to get when he goes to the store. He can buy a large DR. PEPPER for $3 and he can buy a regular DR. PEPPER for $1. He goes in with 63.

a) Write an inequality with x representing the number of large DR. PEPPER's and y representing the number of regurlar DR. PEPPER's that Mr. Bean can buy.

b) Would he be able to buy 18 large and 20 regular DR. PEPPER's?

c) How many regular DR. PEPPER's would Mr. Bean be able to buy if he bought 13 large Dr. Peppers?

d) Graph the inequality from A.