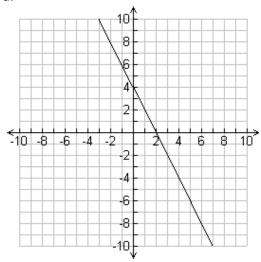
1.	1. Which number below is a counterexample to the statement shown?				
	All perfect square numbers are odd.				
	a. 25	c. 16			
	b. 21	d. 10			
2.	Tim's solution to an equation is shown below:	Name the property of real numbers Tim used for each Step:			
	$-5(x+2) = 4$ Step 1: $-5x-10 = 4$ Step 2: $-5x = 14$ Step 3: $x = -\frac{14}{5}$				
3.	The cost of a trip in a taxi that is m mil costs \$60.25, how many miles long wa	les long is given by the equation $c=4.25+3.5m$ . If a trip as the trip?			
4.	Which step is the first incorrect step in the equation.  Given: $9x+4=-2(x-4)$ Step 1: $9x+4=-2x+8$ Step 2: $11x+4=8$ Step 3: $11x=12$ Step 4: $x=\frac{12}{11}$	n the solution shown? Then show the correct way to solve			
5.	Solve. $-4x+2>10$				
6.	Match the statement with the property that it illustrates.				
	$0 \bullet (yahoo) = 0$	A. Identity property of multiplication			
	y(-2x) = -2x(y)	B. Commutative property of			
	25(2+x) = 50 + 25x	multiplication			
	$1 \bullet 6v = 6v$	C. Distributive property			
	2+(4+b)+2b=2+4+(b+2b)	D. Associative property of addition			
1		E. Multiplication property of zero			

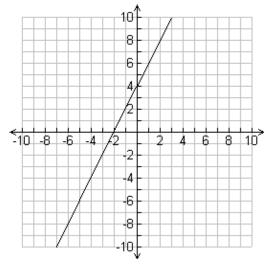
7.	The formula for converting from Celsius (C) degrees to Fahrenheit (F) is $F = 32 + \frac{9}{5}C$ . What is				
	the temperature in Fahrenheit if $C = 90^{\circ}$ ?				
8.	The cost to rent a car is \$30 per day plus \$40 to fill up the gas tank. Write an inequality to represent the number of days that the car can be rented if the cost is not to exceed \$250.				
9.	A 51-foot-long piece of string is cut into 3 pieces. The second piece is twice as long as the fi piece. The third piece is 7 feet longer than the first piece. What is the length of the shortes piece of rope?				
10.	What is the complete solution of $ 5x - 2  \le 8$ ?				
11.	Which equation is equivalent to $3(x+1)-2(4-x)=10$ ?				
	a. $x = 15$	c. $x = 5$			
	b. $5x = 15$	d. $5x = 5$			
12.	Which equation is equivalent to $5x - 3(6x - 2) = 12x$ ?				
	a. $-12x + 4 = 12x$	c. $-13x - 2 = 12x$			
	b. $-13x - 6 = 12x$	d. $-13x + 6 = 12x$			
13.	Which inequality is the simplified form of $3(x-4) + 5x > 2x$ ?				
	a. $8x - 12 > 2x$	c. $-7x > 2x$			
	b. $8x - 4 > 2x$	d. $4x > 2x$			
14.	What is the x-intercept of the line defined by the equation $-2x + 8y = -24$ ?				
15.	What is the y-intercept of the line defined by the equation $x-4y=-20$ ?				

16. Which best represents the graph of the equation y = -2x + 4

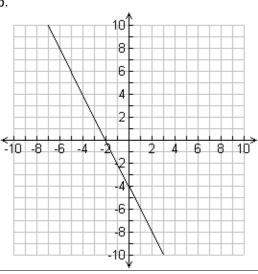
a.



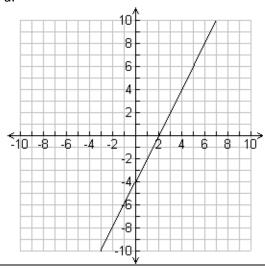
c.



b.



d.



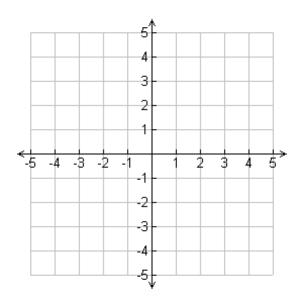
- 17. If -a = 23, then a =
- 18. If  $a = 2\frac{1}{3}$ , what is the reciprocal of a?
- 19. Simplify:  $24-4 \div 2-2 \times 3$

Evaluate:  $\left(\frac{1}{3}\right)^4$ 

- 21. Evaluate  $5^4$ :
- 22. Evaluate -3.14x when x = 5:
- 23. Simplify: -6(-3+2x)

24.	Write an expression equivalent to $-\sqrt{81}$ :	25.	Evaluate $2(3-x)-y$ when $x=-2$ and $y=3$ :
26.	Simplify: $\frac{-100x+10}{-20}$ ?	27.	Solve: $-1.2y = -7.2$
28.	Solve: $\frac{x}{3} - 7 = 8$	29.	Solve: $2x - 8x = 42$
30.	Solve: $\frac{1}{4}(b+2) = -6$	31.	Solve: $\frac{24}{6} = \frac{2x+1}{3}$
32.	Solve and graph the solution to $4x-8 \ge 20$	33.	Solve: $5 x-1  > 15$
34.	Rewrite in slope-intercept form: $4x+3y=-33$	35.	Find the x-intercept and the y-intercept of the graph of the equation $3x-4y=-36$ ?

36. Graph x = -2



37. Graph  $y = -\frac{1}{3}x - 2$ ?

