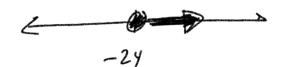
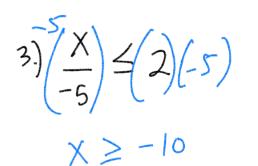
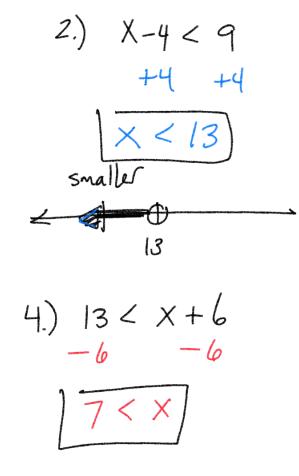


 $1.) \frac{8}{8} \frac{1}{8} \ge \left(-3\right) \frac{8}{1}$ X = -24









SMALL

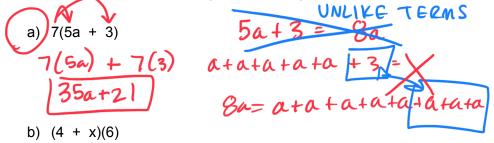


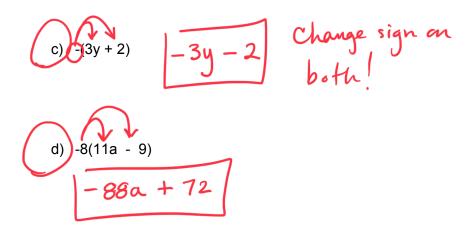
Pre-Algebra Chapter 2 Practice Test

1.) (1 pt each) Properties of Numbers (2-1) Write the name of the property shown.

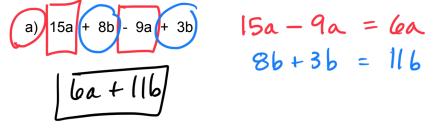
(a) 
$$3(a + b) = 3a + 3b$$
  
tistributive  
(b)  $2 \times 1 = 2$   
(c)  $3 + 13 + 7 = 3 + 7 + 13$   
(d)  $(17 \times 5) \times 20 = 17 \times (5 \times 20)$   
Associative  
(c)  $3(a + b) = 3a + 3b$   
Commutative  
(c)  $3(a + b) = 3a + 3b$   
Commutative  
(c)  $associative$   
(c)

2.) (4 pts each) Distributive Property (2-2) Simplify each expression.

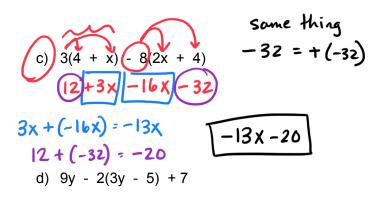




3.) (4 pts each) Simplifying Variable Expressions (2-3) Simplify each expression.



## b) 8c + 7(2c - 3)



4.) (4 pts each) Solving Equations by Adding or Subtracting (2-5) Solve each equation.

(a) 
$$b + 8 = 21$$
  
-8 -8  
 $b = 13$ 

b) 
$$-14 + x = 18$$

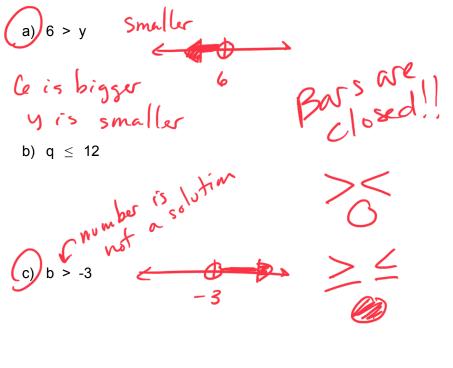
(c) 
$$a - 11 = 54$$
  
+|| +||  
 $a = 65$   
d)  $38 = y - 13$ 

5.) (4 pts each) Solving Equations by Multiplying or Dividing (2-6) Solve each equation.

(a) 
$$\frac{6a}{6} = \frac{72}{6}$$
  
(b)  $\binom{y}{8} = (5)8$   
(c)  $\frac{y}{8} = \frac{5}{8}$   
(c)  $\frac{y}{8} = \frac{40}{5}$ 

d) 
$$\frac{w}{-9} = 12$$

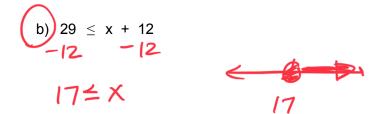
6.) (2 pts each) Inequalities and Their Graphs (2-8) Graph the solutions to each inequality on a number line.

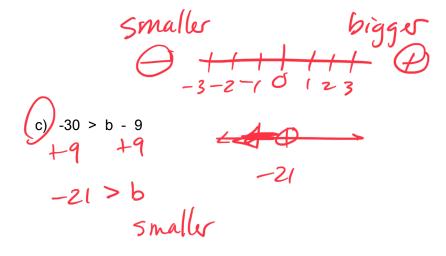


d) -5  $\leq$  h

7.) (4 pts each) Solving One-Step Inequalities by Adding or Subtracting (2-9) Solve each inequality. Graph the solutions.

a) 7 + a < 9





8.) (4 pts each) Solving One-Step Inequalities by Multiplying or Dividing (2-10) Solve each inequality. Graph the solutions.

a)  $9x \leq 36$ 

