

Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

Algebra  
Unit 1  
HW 1-5

1) Use the commutative property to rearrange the terms in this expression so that they are grouped by commonality, then simplify:

$$2x - 8 + 7x + 3 - 4x - 9$$

2) Using the associative property, rewrite this expressions so that like terms are grouped together:

$$7y - (4y - 8)$$

3) Using the Identity Property in this expression, multiply one of the terms by one so that they can be subtracted:

$$\frac{6}{5} - 3$$

4) Using the Identity Property, add in a positive seven to this expression, but also add in a 2<sup>nd</sup> term so you do not change the value of the expression.

$$7x + 6y - 9$$

5) Using the associative and commutative property, group all of the like terms together in this equation (show your steps and label the property you are using:

$$(7y - 4) + (6x - 3y) + (10 - 2x)$$

6) Evaluate:  $5\frac{2}{3} - 6\frac{1}{4} + 10\frac{5}{9}$

7) Evaluate when  $x = -3$ :  $\frac{4x^2 - 2x - 4}{(x-2)^2}$