Math 7 Period _____   Name_____
7.6.1A Homework Set   Date_____

For problems 1–9, write the following expressions in simplest form.

1. $3a + 5a$

2. $8b - 4b$

3. $5c + 4c + c$

4. $3a + 6 + 5$

5. $8b + 8 - 4b$

6. $5c - 4c + c$

7. $3a + 6 + 5a - 2$

8. $8b + 8 - 4b - 3$

9. $5c - 4c + c - 3c$

10. Jack got the expression $7x + 1$, then wrote his answer as $1 + 7x$. Is his answer an equivalent expression? How do you know?

11. Jill also got the expression $7x + 1$, then wrote her answer as $1x + 7$. Is her expression an equivalent expression? How do you know?

12. Fill in the table with your own examples of equivalent expressions for each of the Properties of Operations. The first one is done for you. (From Lesson 7.6.0)

a. Commutative Property of Addition	$x + 4 = 4 + x$
b. Associative Property of Addition	
c. Identity Property of Addition	
d. Commutative Property of Multiplication	
e. Associative Property of Multiplication	
f. Identity Property of Multiplication	
g. Distributive Property of Multiplication over Addition or Subtraction.	