

Name: _____

Period: _____ Date: _____

Learning to Distribute Multiplication

Section I. Use the traditional PEMDAS way to solve in the *a* column to confirm you are distributing correctly in the *b* and *c* columns. (hint - answers for *a* & *b* should be equal)

a problems - use pemdas

b problems - distribute

c problems - distribute

1a. $3(9 - 7)$

1b. $3(9 - 7)$

1c. $3(x - 7)$

2a. $5(4 - 8)$

2b. $5(4 - 8)$

2c. $5(x - 8)$

3a. $-2(12 - 4)$

3b. $-2(12 - 4)$

3c. $-2(x - 4)$

4a. $-6(10 - 1)$

4b. $-6(10 - 1)$

4c. $-6(x - 1)$

5a. $7(11 - 5)$

5b. $7(11 - 5)$

5c. $7(11 - x)$

6a. $-9(3 - 8)$

6b. $-9(3 - 8)$

6c. $-9(3 - x)$

7a. $12(1 - 5)$

7b. $12(1 - 5)$

7c. $12(1 - x)$

8a. $4(-3 - 6)$

8b. $4(-3 - 6)$

8c. $4(-x - 6)$

9a. $-11(-2 - 5)$

9b. $-11(-2 - 5)$

9c. $-11(-2 - x)$

10a. $-3(-4 - 7)$

10b. $-3(-4 - 7)$

10c. $-3(-4 - x)$

11a. $5(-6 - 2)$

11b. $5(-6 - 2)$

11c. $5(-6 - x)$

12a. $-8(9 - 4)$

12b. $-8(9 - 4)$

12c. $-8(9 - x)$