Name _____   Date _____

Basic Operations and Equivalent Expressions - Step-by-Step Lesson

Lesson 1 Simplify the expressions.

1. 4 (6x – 5)

2. 3 (4^3 + 7x)

Explanation:

1. Step 1) First see what is being asked. We have to simplify the equation using the distributive property.

Step 2) Apply the distributive property: - multiply a sum by multiplying each addend separately.

Multiply 4 with both the numbers because 4 is outside the bracket.

4(6x) – 4(5)

24x – 20

The answer will be 24x – 20

2. Follow the same pattern.

3 (4^3) + 3(7x)   = 192 + 21x

As you may notice, more practice allows the problems to become easier to solve.