## **3.1: Getting Ready and Solving Equations I**

## Warm Up – Getting Ready

Find the value that makes the equation true:

| 1q = 3 | 2. y + 7 = -2 |
|--------|---------------|
|        |               |
|        |               |
|        |               |
|        |               |

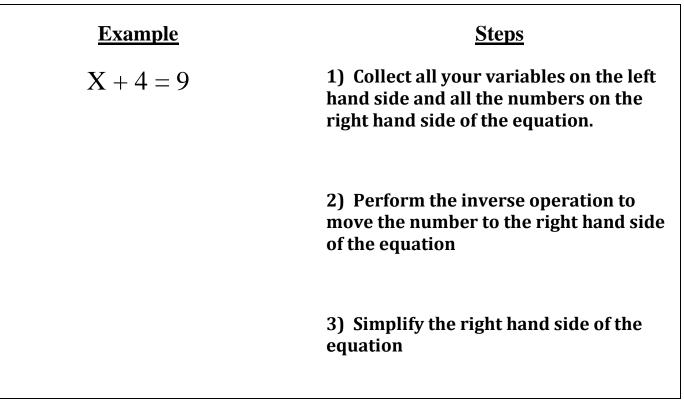
Write the word equation as an algebraic equation.

The product of five and three more than a number equals twelve.

## **Skill 1: Inverse Operations – Adding/Subtracting**

When solving equations, we need to ISOLATE the variable. We do this by getting the variable by itself.

In the following equations, do the INVERSE or OPPOSITE operation to isolate the variable:



## **Examples**

1. Find the value of the variable:

a) x+6=-7b) x-10=-4c) -10=y+18d) -15=y+4

Homework: p.281 #1-4, 7, p. 294 #1