

## Two Step Equations and Formulas

1. Using the method we learned yesterday, there may be more we need to do.

$$3m + 14 = -4$$

first move any number not with a letter.

$$3m = -4 - 14$$

$$3m = -18$$

now get rid of the number in front of the letter.

$$\frac{3m}{3} = \frac{-18}{3}$$

$$m = -6$$

2. Solve and check. We can see if we have the right answer by checking that the left side equals the right side.

**LS**

$$= 3(-6) + 14$$

$$= -18 + 14$$

$$= -4$$

**RS**

$$= -4$$

**LS = RS**

### 3. Rational Coefficients

$$\frac{-5}{6}x = 20$$

first multiply by 6

$$-5x = 20 \times 6$$

$$-5x = 120$$

now divide by -5

$$\frac{-5x}{-5} = \frac{120}{-5}$$

$$x = -24$$

p 57 # 1 - 17