

Name _____

Date _____

Linear Equations in One Variable - Guided Lesson Explanation

Explanation#1

The second equation is solving a statement that is true for a single value, like $x = 5$. This indicates that we have a candidate for that picture in:

$$X + 5 = 10$$

$$X = 5$$

Explanation#2

If we write the sentence algebraically and make them equal to each other, we would just need to solve for x .

$$3x + 10 = 5x + 20$$

$$0 = 2x + 10$$

$$X = -5$$

Explanation#3

We solve this equation:

$$18 = 2(b + 6)$$

$$18 = 2b + 12$$

$$6 = 2b$$

$$b = 3$$

