Vocabulary: Solving Equations by Graphing Each Side

Vocabulary

Gizmos

- Equation a mathematical sentence that states that two expressions are equal.
 - The two equal expressions in an equation are written with an *equals sign* (=) between them.
 - For example, the equation 3x + 4 = 7 shows that 3x + 4 and 7 are equal.
- <u>Expression</u> a combination of one or more numbers, one or more variables, and one or more arithmetic operations.
 - For example, x 2, 8m, $r \div 6$, 7, 3x + 4, and $(2 + (\frac{5}{11})^2 0.3)$ are all expressions.
- <u>Identity</u> an equation that is true for all values of the variable.
 - For example, 2x = x + x is true no matter what value is substituted for x.
- <u>Solution</u> a value or values that make an equation or inequality true.
 - For example, 1 is the solution of the equation 3x + 4 = 7 because it makes the equation true: 3(1) + 4 = 7.

