

## Linear Equations 1

### Terms to Know

**equation** - a math statement with two expressions that have the same value  
- the two expressions are separated by an equal sign

**variable** - a letter that represents an unknown number

**constant** - a number that does not change

$$-3x + 5$$

**coefficient** - a number that multiplies the variable

**linear equation** - an equation whose graph is a straight line

**opposite operation** - math operation that undoes another operation  
- aka inverse operation

**distributive property** - the rule that states  $a(b+c) = ab + ac$

**Example - Solving One-Step Equations**

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Solve each of the following:

a)  $6x = 12$

b)  $-5b = -45$

c)  $\frac{n}{3} = 7$

d)  $\frac{w}{-2} = 9$



Complete the following:

**Practice - Linear Equations 1A (evens)**

**Practice - Linear Equations 1B (evens)**

Check your solutions using the key provided.