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Homework Answers

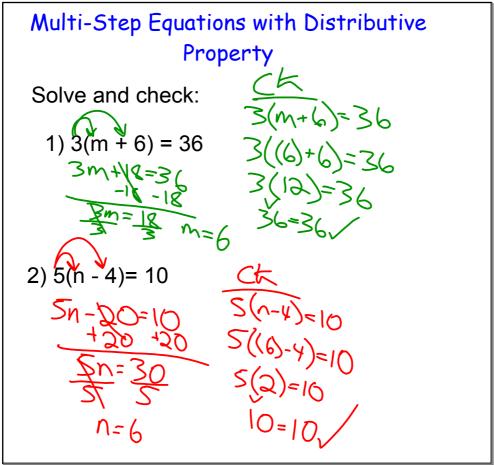
- 1) x = 2
- 2) n = 2
- 3) m = 36
- 4) x = -48

Multi-Step Equations with Distributive Property

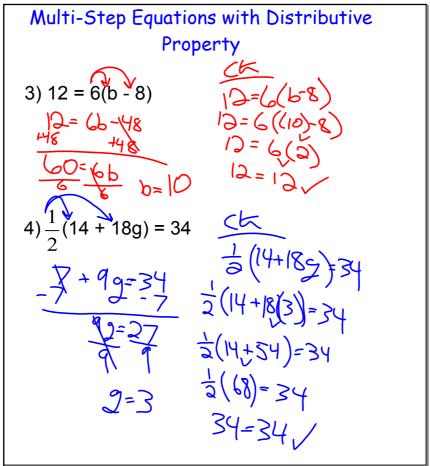
<u>Distributive Property</u>- when a factor is multiplied by the sum (or difference) of two numbers, you can multiply each of the two numbers by that factor and then add (or subtract) them.

$$3(x + 5)$$
 turns into $3x+15$
 $-3(x-5)$ turns into $3x-5$
 $-3(x-5)$ $-3x+15$
 $-3(2x-5)$ = $-6x+15$

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Multi-Step Equations with Distributive Property

Solve and check:

$$5) 5 (3 + k) = 45$$

$$6) 40 = 2(y - 9)$$

7)
$$\frac{1}{3}$$
 (-24n + 15) = 61