

Solving Equations with Distributive Property

GOAL OF SOLVING
EQUATIONS:

Distributive Property Review

$$3(x + 6) = \underline{\hspace{2cm}}$$

$$-5(4 - 2x) = \underline{\hspace{2cm}}$$

$$-(8 + x) = \underline{\hspace{2cm}}$$

Examples!

$$2(x + 6) = 22$$

Check:

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$2(\underline{\hspace{1cm}} + 6) = 22$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 22$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} = 22$$

$$-3(x + 8) = -6$$

Check:

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$-3(\underline{\hspace{1cm}} + 8) = -6$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = -6$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} = -6$$

$$5(x - 3) = 15$$

Check:

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$5(\underline{\hspace{1cm}} - 3) = 15$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 15$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} = 15$$

$$-(x + 2) = 11$$

Check:

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$-(\underline{\hspace{1cm}} + 2) = 11$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 11$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{1cm}} = 11$$