

Warm Up!

$$6m + 6 - 4m = 34$$


$$-3 - 2d = 7 + 2d - 6$$

$$-2m - 5 = 0$$

$$7k - 10 = 5k + 10$$

Distributive Property

Getting rid of the ()

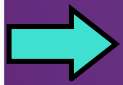

$$-2(b - 4) = 12$$

$$-2b + 8 = 12$$

$$\begin{array}{r} -8 \quad -8 \\ \hline \end{array}$$

$$\begin{array}{r} -2b \quad = 4 \\ \hline -2 \quad -2 \end{array}$$

$$b = -2$$



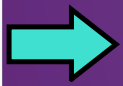
Solve the equation.

$$3(k + 8) = 21$$

$$3k + 24 = 21$$

$$3k = -3$$

$$k = -1$$



Solve the equation.

$$\begin{array}{rcl} 15 & = & -3(x - 1) + 9 \\ \downarrow & & \downarrow \\ 15 & = & -3x + 3 + 9 \\ 15 & = & -3x + 12 \\ +3x & +3x & \\ \hline 3x + 15 & = & 12 \\ -15 & -15 & \\ \hline 3x & = & -3 \\ \frac{3x}{3} & & \frac{-3}{3} \\ & & \\ & & x = -1 \end{array}$$