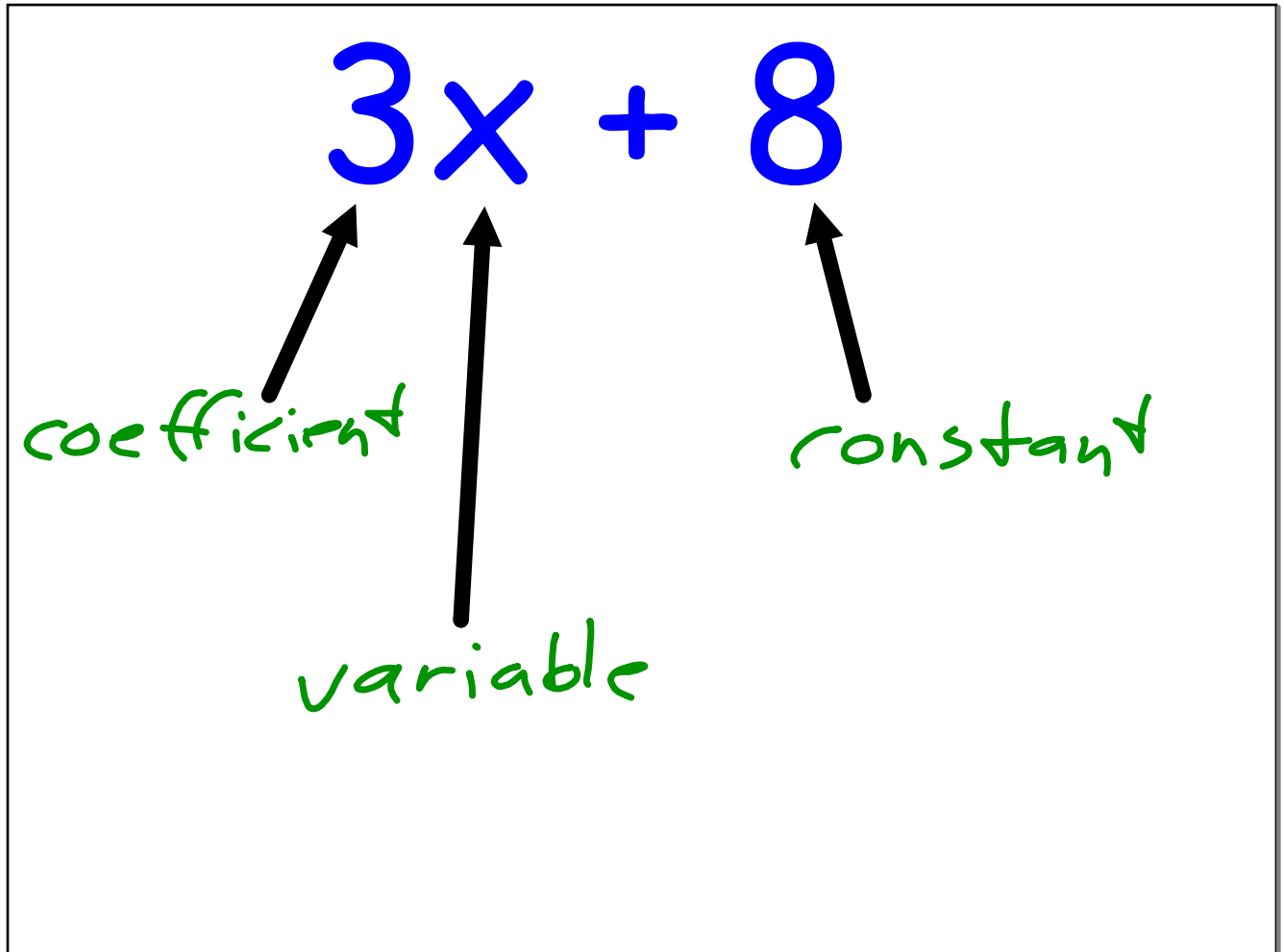


HW: Worksheet/8-19, 22, 23

**Warm up:**

Solve.

$$\begin{array}{l} 1) -5 = -3 + x \\ \quad +3 \quad +3 \\ \hline -2 = x \end{array} \quad \begin{array}{l} 2) 18 = -2n \\ \quad -2 \quad -2 \\ \hline -9 = n \\ n = -9 \end{array} \quad \begin{array}{l} 3) x - 12 = -60 \\ \quad +12 \quad +12 \\ \hline x = -48 \end{array}$$



$$\frac{5x + 4}{5} = \frac{29}{5}$$

$$x + \frac{4}{5} = \frac{29}{5}$$

$$x = \frac{25}{5} = 5$$

$$5x + 4 = 29$$

$$\begin{array}{r} -4 \quad -4 \\ \hline 5x = 25 \\ \hline \end{array}$$

$$\frac{5x}{5} = \frac{25}{5}$$

$x = 5$

constant  
first

$$-3x + 7 = -12$$

$$\begin{array}{r} -7 \\ -7 \end{array}$$



$$\begin{array}{r} -3x = -19 \\ -3 \quad -3 \end{array}$$



$$x = \frac{19}{3} = 6\frac{1}{3}$$

$$\begin{array}{r} 5 - 6x = 40 \\ -5 \qquad -5 \\ \hline -6x = 35 \\ -6 \qquad -6 \\ \hline x = -5\frac{5}{6} \end{array}$$

$- \frac{35}{6}$

$$7 - x = -15$$

$$\begin{array}{r} -7 \qquad \qquad -7 \\ \hline \end{array}$$

$$\begin{array}{r} -x = -22 \\ \hline -1 \qquad \qquad -1 \\ \hline \end{array}$$

$$\boxed{x = 22}$$

$$\begin{array}{r} x \\ \frac{x}{3} + 3 = 14 \\ \underline{\phantom{x} - 3} \phantom{=} \phantom{=} \\ \phantom{x} \phantom{=} \phantom{=} \phantom{=} \phantom{=} \end{array}$$

$3 \left( \frac{x}{3} \right) = (11) \quad 3$

$x = 33$

$$\cancel{4} - \frac{n}{5} = -16 \quad \begin{array}{l} -16 - 4 \\ -16 + (-4) \end{array}$$

$-4 \qquad \qquad -4$

$$-5 \left( -\frac{n}{5} \right) = (-20) (-5)$$

$$n = 100$$



# Showdown

$$-4x + 9 = -11$$

$$\begin{array}{r} -9 \quad -9 \\ \hline -4x = -20 \\ \hline \frac{-4}{-4} \quad \frac{-20}{-4} \\ \hline x = 5 \end{array}$$

$$-2 + 8x = -34$$

+ 2

+ 2

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$$8x = -32$$

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$$x = -4$$

$$\begin{array}{r} -1 - \frac{h}{7} = -3 \\ +1 \qquad \qquad +1 \\ \hline -7 \left( -\frac{h}{7} \right) = (-2)(-7) \\ h = 14 \end{array}$$

$$6 + 4x = 32$$

$$-5 - m = -7$$

$$\frac{x}{3} - 8 = -11$$

