

Solving Two-Step Equations

Solve each equation.

$$\begin{array}{r} 1) \quad 12 - 3x = -15 \\ \quad -12 \quad \quad -12 \\ \hline \quad -3x = -27 \\ \quad -3 \quad \quad -3 \\ \hline \quad \quad x = 9 \end{array}$$

$$\begin{array}{r} 2) \quad -13 = \frac{m}{5} - 3 \\ \quad \quad +3 \quad \quad +3 \\ \hline (5)(-10) = \frac{m}{5}(5) \\ \hline \quad \quad -50 = m \end{array}$$

$$3) \quad \frac{c-8}{4} = -5$$

$$\begin{array}{r} 4 \left(\frac{c-8}{4} \right) = -5(4) \\ \quad c-8 = -20 \\ \quad +8 \quad +8 \\ \hline \quad \quad c = -12 \end{array}$$

$$\begin{array}{r} 4) \quad -y + 3 = -8 \\ \quad \quad -3 \quad -3 \\ \hline \quad -y = -11 \\ \quad \quad -1y = -11 \\ \quad \quad \quad -1 \quad -1 \\ \hline \quad \quad \quad y = 11 \end{array}$$