

Skill Builder: Solve One-Step Equations

Pg: 3

$$9) \frac{f}{\pi} = \frac{3}{1}$$
$$\therefore R = 3\pi$$

$$7) -5 = \frac{A}{10}$$
$$\rightarrow -50 = A$$

Pg: 4

$$3) \frac{t}{4} = 11$$
$$\rightarrow t = 44 \checkmark$$

$$2) \frac{42}{-7} = \frac{-7n}{-7}$$
$$-6 = n$$

Algebraic Reasoning & Algebra:
Represent & Solve Linear Equations

$$1) 5m + 4 = 3m + 12$$

$$\begin{array}{r} -3m \quad -3m \\ \hline \end{array}$$

$$2m + 4 = 12$$

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

$$\frac{2m}{2} = \frac{8}{2}$$

$$m = 4$$

$$3) 5(t + 3.5) = 2t + 3t + 17.5$$

$$5t + 17.5 = 5t + 17.5$$

$$\begin{array}{r} 5t + 17.5 \\ - 17.5 \\ \hline \end{array} \quad \begin{array}{r} 5t + 17.5 \\ - 17.5 \\ \hline \end{array}$$

$$\frac{5t}{5} = \frac{5t}{5}$$

$$t = t$$

$$\begin{array}{r} -5t = -5t \\ \hline 0 = 0 \end{array}$$

many solutions

$$2) 8 - 21r = 9(2 + r)$$

$$8 - 21r = 18 + 9r$$

$$+21r \quad +21r$$

$$8 = 18 + 30r$$

$$-18 \quad -18$$

$$\frac{-10}{30} = \frac{30r}{30}$$

$$-\frac{1}{3} = r$$

$$4) \frac{1}{2}(5z + 1) = z + \frac{3}{2}z$$

$$\frac{5}{2}z + \frac{1}{2} = \frac{5}{2}z$$

NO solution