

Name Answer Key  
Notes: Solving Equations Day #1 One-Step

Date \_\_\_\_\_  
Period \_\_\_\_\_

Directions: Solve for the variable. Show all work.

$$\begin{array}{r} 1) 6 = x + 2 \\ -2 \quad -2 \\ \hline 4 = x \end{array}$$

{4}

$$\begin{array}{r} 2) 27 + n = -47 \\ -27 \quad -27 \\ \hline n = -74 \end{array}$$

{-74}

$$\begin{array}{r} 3) y - 19 = 37 \\ +19 \quad +19 \\ \hline y = 56 \end{array}$$

{56}

$$\begin{array}{r} 4) y - 5 = 37 \\ +5 \quad +5 \\ \hline y = 42 \end{array}$$

{42}

$$\begin{array}{r} 5) j - 3 = -7 \\ +3 \quad +3 \\ \hline j = -4 \end{array}$$

{-4}

$$\begin{array}{r} 6) q + 11 = -8 \\ -11 \quad -11 \\ \hline q = -19 \end{array}$$

{-19}

$$\begin{array}{r} 7) -8n = 64 \\ -8 \quad -8 \\ \hline n = -8 \end{array}$$

{-8}

$$\begin{array}{r} 8) -7y = 28 \\ -7 \quad -7 \\ \hline y = -4 \end{array}$$

{-4}

$$\begin{array}{r} 9) \frac{96}{4} = \frac{4c}{4} \\ \hline 24 = c \end{array}$$

{24}

$$\begin{array}{r} 10) \frac{35}{7} = \frac{x}{7} \\ \hline 5 = x \end{array}$$

{5}

$$11) \frac{-8c}{-8} = \frac{40}{-8}$$

$$c = -5$$

$$\{ -5 \}$$

$$13) \frac{1}{3}x = 10$$

$$x = 30$$

$$\{ 30 \}$$

$$15) -\frac{t}{7} = 2$$

$$t = -14$$

$$\{ -14 \}$$

$$17) \frac{1}{3}x = -4$$

$$x = -20$$

$$\{ -20 \}$$

CLT

$$19) 2x + 8x = 10$$

$$\frac{10x}{10} = \frac{10}{10}$$

$$x = 1$$

$$\{ 1 \}$$

$$12) \frac{-72}{-9} = \frac{-9c}{-9}$$

$$8 = c$$

$$\{ 8 \}$$

$$14) \frac{7a}{8} = 5$$

$$a = -40$$

$$\{ -40 \}$$

$$16) -\frac{1}{8}x = -3$$

$$x = 24$$

$$\{ 24 \}$$

$$18) 16 = \frac{x}{3}$$

$$48 = x$$

$$\{ 48 \}$$