

1.) $5b + 10 = 30$

$$\begin{array}{r} -10 \quad -10 \\ 5b + 10 = 30 \\ \hline 0 \quad 20 \end{array}$$

$$5b = 20$$

$$b = 4$$

6.) $4x - 15 = 1$

$$\begin{array}{r} +15 \quad +15 \\ 4x - 15 = 1 \\ \hline 0 \quad 16 \end{array}$$

$$4x = 16$$

$$x = 4$$

2.) $6 + 7p = 34$

$$\begin{array}{r} -6 \quad -6 \\ 6 + 7p = 34 \\ \hline 0 \quad 28 \end{array}$$

$$7p = 28$$

$$p = 4$$

7.) $2y + 3 = -11$

$$\begin{array}{r} -3 \quad -3 \\ 2y + 3 = -11 \\ \hline 0 \quad -14 \end{array}$$

$$2y = -14$$

$$y = -7$$

3.) $3s - 17 = 19$

$$\begin{array}{r} +17 \quad +17 \\ 3s - 17 = 19 \\ \hline 0 \quad 36 \end{array}$$

$$3s = 36$$

$$s = 12$$

8.) $2y + 7 = -7$

$$\begin{array}{r} -7 \quad -7 \\ 2y + 7 = -7 \\ \hline 0 \quad -14 \end{array}$$

$$2y = -14$$

$$y = -7$$

4.) $-2k - 15 = -5$

$$\begin{array}{r} +15 \quad +15 \\ -2k - 15 = -5 \\ \hline 0 \quad 10 \end{array}$$

$$-2k = 10$$

$$k = -5$$

9.) $3w + 3 = 3$

$$\begin{array}{r} -3 \quad -3 \\ 3w + 3 = 3 \\ \hline 0 \quad 0 \end{array}$$

$$3w = 0$$

$$w = 0$$

5.) $5x - 7 = 23$

$$\begin{array}{r} +7 \quad +7 \\ 5x - 7 = 23 \\ \hline 0 \quad 30 \end{array}$$

$$5x = 30$$

$$x = 6$$

10.) $2x + 4 = 14$

$$\begin{array}{r} -4 \quad -4 \\ 2x + 4 = 14 \\ \hline 0 \quad 10 \end{array}$$

$$2x = 10$$

$$x = 5$$

Name: _____

Two-Step Equations: Whole Numbers

Sheet 1

Solve each equation.

1) $9c + 1 = 10$

2) $6y - 5 = 7$

3) $8 = 3a - 4$

4) $\frac{m}{5} + 9 = 11$

5) $13 + 7x = 27$

6) $17 - q = 6$

7) $\frac{n - 31}{4} = 2$

8) $1 + 2r = 35$

9) $42 + 5t = 8t$

10) $4p - 3 = 17$