

20 points

Solving Two-Step Equations 2

Show all steps

1) $2x + 5 = 7$

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

$$2x = 2$$

$$x = 1$$

2) $4 + 8m = 52$

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

$$8m = 48$$

$$m = 6$$

3) $4x + 7 = 31$

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

$$4x = 24$$

$$x = 6$$

4) $2x - 1 = 5$

$$\begin{array}{r} +1 \quad +1 \\ \hline \end{array}$$

$$2x = 6$$

$$x = 3$$

5) $2 - y = 5$

$$-y = 3$$

$$y = 3$$

6) $-9 = 4y - 1$

$$\begin{array}{r} +1 \quad +1 \\ \hline \end{array}$$

$$-8 = 4y$$

$$-2 = y$$

7) $\frac{1}{3}x + 6 = 15$

$$\begin{array}{r} -6 \quad -6 \\ \hline \end{array}$$

$$\frac{1}{3}x = 9$$

$$x = 27$$

8) $\frac{5}{8}x - 3 = 7$

$$\begin{array}{r} +3 \quad +3 \\ \hline \end{array}$$

$$\frac{5}{8}x = 10$$

$$x = 16$$

9) $.3z - 5 = -5$

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

$$.3z = 0$$

$$z = 0$$

10) $.02x + 8 = 10$

$$\begin{array}{r} -8 \quad -8 \\ \hline \end{array}$$

$$.02x = 2$$

$$x = 100$$