

Solve each equation.

$$\begin{array}{r}
 1) -5 + 2m = -4m - 2m - 13 \\
 -5 + 2m = -6m - 13 \\
 +6m \quad +6m \\
 \hline
 -5 + 8m = -13 \\
 +5 \quad +5 \\
 \hline
 8m = -8 \\
 \boxed{m = -1}
 \end{array}$$

$$\begin{array}{r}
 3) x + 17 = -50 + x + 34 + 33 \\
 x + 17 = x + 17 \\
 \hline
 \text{Identical} \\
 \text{or} \\
 \text{Infinite} \\
 \text{Solutions}
 \end{array}$$

$$\begin{array}{r}
 5) n - 1.2 = -1.8n + 3.84 \\
 +1.8n \quad +1.8n \\
 \hline
 2.8n - 1.2 = 3.84 \\
 +1.2 \quad +1.2 \\
 \hline
 2.8n = 5.04 \\
 \boxed{n = 1.8}
 \end{array}$$

$$\begin{array}{r}
 7) -10(-3v - 30) = 16v - 64 \\
 30v + 300 = 16v - 64 \\
 -16v \quad -16v \\
 \hline
 14v + 300 = -64 \\
 14v = -364 \\
 \boxed{v = -26}
 \end{array}$$

$$\begin{array}{r}
 2) -9 + n = 1 - 1 \\
 -n \quad -n \\
 \hline
 -9 = -1 \\
 \hline
 \text{NO SOLUTIONS!}
 \end{array}$$

$$\begin{array}{r}
 4) 74 - 7n = n - 22 \\
 +7n \quad +7n \\
 \hline
 74 = 4n - 22 \\
 +22 \quad +22 \\
 \hline
 96 = 4n \\
 \boxed{24 = n}
 \end{array}$$

$$\begin{array}{r}
 6) a + 0.8 = -0.8a + 3.86 \\
 +0.8a \quad +0.8a \\
 \hline
 1.8a + 0.8 = 3.86 \\
 -0.8 \quad -0.8 \\
 \hline
 1.8a = 3.06 \\
 \boxed{a = 1.7}
 \end{array}$$

$$\begin{array}{r}
 8) -111 + 51p = -35(12p + 57) \\
 -111 + 51p = -420p - 1995 \\
 +420p \quad +420p \\
 \hline
 -111 + 471p = -1995 \\
 +111 \quad +111 \\
 \hline
 471p = -1884 \\
 \frac{471p}{471} = \frac{-1884}{471} \\
 \boxed{p = -4}
 \end{array}$$

$$\begin{array}{r}
 9) 3(1 + x) = -3(x + 1) \\
 3 + 3x = -3x - 3 \\
 +3x \quad +3x \\
 \hline
 3 + 6x = -3 \\
 -6x \quad -6x \\
 \hline
 3 = -6 \\
 \boxed{x = -1}
 \end{array}$$

$$\begin{array}{r}
 11) 3n - 2n = -4(2 - 5n) - 5(4n - 4) \\
 0 = -8 + 20n - 20n + 20 \\
 0 = 12 \\
 \text{NO SOLUTION}
 \end{array}$$

$$\begin{array}{r}
 13) -6(2n - 4) = -5(n + 4) \\
 -12n + 24 = -5n - 20 \\
 +12n \quad +12n \\
 \hline
 24 = 9n - 20 \\
 +20 \quad +20 \\
 \hline
 36 = 9n \\
 \boxed{4 = n}
 \end{array}$$

$$\begin{array}{r}
 15) -2(a - 3) = (4 + 2a) \\
 -2a + 6 = 4 + 2a \\
 +2a \quad +2a \\
 \hline
 6 = 4 \\
 \text{NO SOLUTION!}
 \end{array}$$

$$\begin{array}{r}
 10) 2(m + 2) = 2(2m + 2) \\
 2m + 4 = 4m + 4 \\
 -2m \quad -2m \\
 \hline
 4 = 2m + 4 \\
 -4 \quad -4 \\
 \hline
 0 = 2m \\
 \boxed{0 = m}
 \end{array}$$

$$\begin{array}{r}
 12) 3(1 + 5v) - 4 = -4(-2v - 5) \\
 3 + 15v - 4 = 8v + 20 \\
 15v - 1 = 8v + 20 \\
 -8v \quad -8v \\
 \hline
 7v - 1 = 20 \\
 7v = 21 \\
 \boxed{v = 3}
 \end{array}$$

$$\begin{array}{r}
 14) -6(3x - 7) = -2 - 4(4x - 7) \\
 -18x + 42 = -2 - 16x + 28 \\
 -18x + 42 = -16x + 26 \\
 +18x \quad +18x \\
 \hline
 42 = 2x + 26 \\
 -26 \quad -26 \\
 \hline
 16 = 2x \\
 \boxed{8 = x}
 \end{array}$$

$$\begin{array}{r}
 16) 4n - 4(1 - n) = -4 + 8n \\
 4n - 4 + 4n = -4 + 8n \\
 8n - 4 = -4 + 8n \\
 -8n \quad -8n \\
 \hline
 -4 = -4 \text{ Identity} \\
 \text{(Infinite \# solutions)}
 \end{array}$$