

$$\textcircled{11} \quad -5x - 10 = 2 - (x + 4)$$

$$-5x - 10 = 2 - x - 4$$

$$\begin{array}{r} -5x - 10 = -2 - x \\ + x \quad + 10 \quad + 10 + x \end{array}$$

$$\begin{array}{r} \underline{-4x} \\ -4 \end{array} = \begin{array}{r} \underline{8} \\ -4 \end{array}$$

$$\textcircled{x = -2}$$

$$\textcircled{13} \left(\frac{5}{2}t - t \right)^2 = \left(3 + \frac{3}{2}t \right)^2$$

$$\begin{array}{r} 5t - 2t = 6 + 3t \\ -3t \qquad \qquad \qquad -3t \end{array}$$

$$0 \neq 6$$

no solution

$$\textcircled{15} \left(\frac{2}{3}x - \frac{1}{6} \right) = \left(\frac{1}{2}x + \frac{5}{6} \right) 6$$

$$4x - 1 = 3x + 5$$

$$\begin{array}{r} -3x + 1 \\ \hline \end{array} \quad \begin{array}{r} -3x + 1 \\ \hline \end{array}$$

$$\textcircled{x = 6}$$

$$\textcircled{17} \quad \frac{1}{2}(3g - 2) = \frac{g}{2}$$

$$2\left(\frac{3g}{2} - 1\right) = \left(\frac{g}{2}\right) \cdot 2$$

$$\begin{array}{r} 3g - 2 = g \\ -g \quad +2 \quad -g \quad +2 \\ \hline 2g = 2 \end{array}$$

$$\frac{2g}{2} = \frac{2}{2}$$
$$\textcircled{g = 1}$$

$$\textcircled{19} \quad \frac{1}{2}(5 - 2h) = \frac{h}{2}$$

$$2\left(\frac{5}{2} - 1h\right) = \left(\frac{h}{2}\right) \cdot 2$$

$$\begin{array}{r} 5 - 2h = h \\ +2h \quad \quad +2h \\ \hline 5 = 3h \end{array}$$

$$\frac{5}{3} = \frac{3h}{3}$$
$$\textcircled{1\frac{2}{3} = h}$$

$$\textcircled{21} \quad 3(d - 8) - 5 = 9(d + 2) + 1$$

$$3d - 24 - 5 = 9d + 18 + 1$$

$$3d - 29 = 9d + 19$$

$$\begin{array}{r} -9d \quad +29 \quad -9d \quad +29 \\ \hline -6d = 48 \end{array}$$

$$\frac{-6d}{-6} = \frac{48}{-6}$$

$$\textcircled{d = -8}$$

23) $2x - 11 = x + 4$

$3\left(\frac{2x-11}{3}\right) = (x+4)3$

$2x - 33 = 3x + 12$
 $-3x \quad -3x$

$-1x - 33 = 12$
 $+33 \quad +33$
 $-1x = 45$

$x = -45$

24) $5(x+3) = 3(2x-1)$

$5(x+3) = 3(2x-1)$

$5x + 15 = 6x - 3$
 $-6x \quad -6x$

$-1x + 15 = -3$
 $-15 \quad -15$

$-1x = -18 \rightarrow \frac{-1x}{-1} = \frac{-18}{-1}$
 $x = 18$

25) Integer #1: x
Integer #2: $x+2$

$3(x+2) = x - 10$

$3x + 6 = x - 10$
 $-x \quad -x$

$2x + 6 = -10$
 $-6 \quad -6$

$2x = -16$
 $2 \quad 2$

$x = -8$
 $x + 2 = -6$

-8 and -6

$$\begin{aligned}
 26) \quad P &= 2l + 2w \\
 24 &= 2(w+3) + 2w \\
 24 &= 2w + 6 + 2w \\
 24 &= 4w + 6 \\
 -6 & \quad \quad -6 \\
 \hline
 18 &= 4w
 \end{aligned}$$

$$\begin{aligned}
 l &= \text{length} \\
 w &= \text{width} \\
 P &= 24 \\
 l &= w + 3
 \end{aligned}$$

$$18 = 4w$$

$$4 \quad 4$$

$$4.5 = w$$

$$4.5 + 3 = l$$

$$7.5 = l$$

$$91 = x1 \leftarrow$$

$$1 = 1$$

$$81 = x$$

$$01 - x = (s + x) \cdot 10$$

$$01 - x = 10 + x0$$

$$x = x$$

$$01 = 10 + x0$$