

$$1.) 37 = -3 + 5(x + 6)$$

$$37 = -3 + 5x + 30$$

$$37 = 27 + 5x$$

$$\begin{array}{r} -27 \\ -27 \end{array}$$

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

$$x = 2$$

$$2.) -13 = 5(1 + 4m) - 2m$$

$$-13 = 5 + 20m - 2m$$

$$-13 = 5 + 18m$$

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

$$\frac{-18}{18} = \frac{18m}{18}$$

$$m = -1$$

$$3.) 4(-x + 4) = 12$$

$$-4x + 16 = 12$$

$$\begin{array}{r} -16 \\ -16 \end{array}$$

$$\frac{-4x}{-4} = \frac{-4}{-4}$$

$$x = 1$$

$$4.) -2 = -(n - 8)$$

$$-2 = -1(n - 8)$$

$$-2 = -n + 8$$

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

$$\frac{-10}{-1} = \frac{-n}{-1}$$

$$n = 10$$

$$9.) \quad 8(4k - 4) = -5k - 32$$

$$32k - 32 = -5k - 32$$

$+5k \qquad +5k$

$$37k - 32 = -32$$

$+32 \quad +32$

$$\frac{37k}{37} = \frac{0}{37}$$

$$k = 0$$

$$10.) \quad -8(-8x - 6) = -6x - 22$$

$$64x + 48 = -6x - 22$$

$+6x \qquad +6x$

$$70x + 48 = -22$$

$-48 \quad -48$

$$\frac{70x}{70} = \frac{-70}{70}$$

$$x = -1$$

$$11.) \quad 8(1 + 5x) + 5 = 13 + 5x$$

$$8 + 40x + 5 = 13 + 5x$$

$$13 + 40x = 13 + 5x$$

$-5x \quad -5x$

$$13 + 35x = 13$$

$-13 \quad -13$

$$\frac{35x}{35} = \frac{0}{35}$$

$$x = 0$$

$$12.) \quad -11 - 5a = 6(5a + 4)$$

$$-11 - 5a = 30a + 24$$

$+5a \quad +5a$

$$-11 = 35a + 24$$

$-24 \quad -24$

$$\frac{-35}{35} = \frac{35a}{35}$$

$$a = -1$$