

p.103 #7-11 & #20-28

$$\textcircled{7} \quad 3c - 4c + 1 = 5c + 2 + 3$$

$$\begin{array}{r} -1c + 1 = 5c + 5 \\ +1c \quad \quad +1c \end{array}$$

(Clean up before Solving)

$$\begin{array}{r} 1 = 6c + 5 \\ -5 \quad \quad -5 \end{array}$$

$$\begin{array}{r} 4 = 6c \\ \underline{\quad} \quad \underline{\quad} \\ 6 \quad \quad 6 \end{array}$$

$$\textcircled{.67 \text{ or } \frac{2}{3} = c}$$

(Did you round correctly?)

$$\textcircled{8} \quad 5 + 3(q - 4) = 2(q + 1)$$

$$5 + 3q - 12 = 2q + 2$$

$$-7 + 3q = 2q + 2$$

$$\begin{array}{r} -2q \quad -2q \end{array}$$

$$-7 + q = 2$$

$$\begin{array}{r} +7 \quad +7 \end{array}$$

$$\textcircled{q = 9}$$

$$\textcircled{9} \quad 5 - (t + 3) = -1 + 2(t + 3) \quad (\underline{5} \text{ not multiplied})$$

$$2 - t = 2t - 7$$

$$\begin{array}{r} +t \quad +t \end{array}$$

$$2 = 3t - 7$$

$$\begin{array}{r} +7 \quad +7 \end{array}$$

$$9 = 3t$$

$$\textcircled{3 = t}$$

$$(24) \quad 5 - x - 2 = 3 + 4x + 5$$

$$3 - x = 8 + 4x$$

Clean

$$3 = 8 + 5x$$

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

$$\textcircled{-1 = x}$$

Sign?

$$(25) \quad 2(x+4) = 3(x-2)$$

$$2x + 8 = 3x - 6$$

$$8 = x - 6$$

$$\textcircled{14 = x}$$

$$(26) \quad 3m - 10 = 2(4m - 5)$$

$$3m - 10 = 8m - 10$$

$$\frac{-10}{+10} = \frac{5m - 10}{+10}$$

$$\frac{0}{5} = \frac{5m}{5}$$

$$\textcircled{0 = m}$$

(Still a variable present)

$$(27) \quad 5 - 1(n-4) = 3(n+2)$$

$$5 - n + 4 = 3n + 6$$

+n +n

$$9 = 4n + 6$$

-6 -6

$$\frac{3}{4} = \frac{4n}{4}$$

$$\frac{3}{4} \text{ or } .75 = n$$

$$(28) \quad 6(x+7) - 20 = 6x$$

$$6x + 42 - 20 = 6x$$

$$6x + 22 = 6x$$

$$-6x \quad \quad -6x$$

$$22 = 0$$