

Chap 1 Sec 4

Pg: 7

$$3) \quad 30 + \underline{2k + 5k} = 100$$

$$30 + 7k = 100$$

$$\underline{-30 \qquad \qquad \qquad -30}$$

$$7k = 70$$

$$\frac{7k}{7} = \frac{70}{7}$$

$$k = 10$$

$$\del{*} \quad \underline{4x} + 10 - \underline{2x} = 15$$

$$2x + 10 = 15$$

$$\underline{-10 \quad -10}$$

$$\frac{2x}{2} = \frac{5}{2}$$

$$x = \frac{5}{2}$$

~~9/4~~  $\underline{-2x - 5} - \underline{4x} = 9$

$$\begin{array}{r} -7x - 5 = 9 \\ +5 \quad +5 \\ \hline \end{array}$$

$$\frac{7x}{7} = \frac{14}{7}$$

$$x = 2$$

Pg: 7

$$4) z + (z - 6) - 2 = -10$$

$$\underline{z} + \underline{z} - \underline{6} - \underline{2} = -10$$

$$2z - 8 = -10$$

$$\underline{\quad + 8 \quad + 8}$$

$$\frac{2z}{2} = \frac{-2}{2}$$

$$z = -1$$

~~4) 4 - (x - 6) - 2x = -2~~

$$\underline{4} - \underline{x} + \underline{6} - \underline{2x} = -2$$

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

$$\underline{\quad - 10 \quad - 10}$$

$$\frac{-3x}{-3} = \frac{-12}{-3}$$

$$x = 4$$

~~2x - (4 - 2x) + 3 = -7~~

