

Chap 1 Sec 4

pg: 112

$$5) 15 - \frac{1}{4}x = 3\left(\frac{1}{12}x - 5\right)$$

$$15 - \frac{1}{4}x = \frac{3}{12}x - 15$$

$$15 - \frac{1}{4}x = \frac{1}{4}x - 15$$

$$\begin{array}{r} +15 \phantom{-\frac{1}{4}x} \\ \hline \end{array} \quad \begin{array}{r} \phantom{15} - \frac{1}{4}x \\ +15 \phantom{-\frac{1}{4}x} \\ \hline \end{array}$$

$$30 - \frac{1}{4}x = \frac{1}{4}x$$

$$\begin{array}{r} +\frac{1}{4}x \\ \hline \end{array} \quad \begin{array}{r} +\frac{1}{4}x \\ \hline \end{array}$$

$$\frac{30}{\frac{2}{4}} = \frac{\frac{2}{4}x}{\frac{2}{4}}$$

$$\frac{2}{4}$$

$$60 = x$$

$$b) \quad \frac{3}{4}(p + 16) = 4 + \frac{3}{4}p + 8$$

$$\frac{3}{4}p + 12 = 12 + \frac{3}{4}p$$



Many sol

$$10.5 - 4.25x = -4.25x$$

↑            ↗            ↗  
NO Sol

$$\underline{12k + 20} - \underline{2k} = 30$$

$$10k + 20 = 30$$

$$\underline{-20} \quad \underline{-20}$$

$$\frac{10k}{10} = \frac{10}{10}$$

$$k = 1$$

$$7 + 5(b - 3) = b$$

$$\underline{7} + 5b - \underline{15} = b$$

$$5b - 8 = b$$

$$\begin{array}{r} -5b \qquad -5b \\ \hline \end{array}$$

$$\begin{array}{r} -8 = -4b \\ \hline -4 \quad -4 \end{array}$$

$$2 = b$$

## Chap 1 Sec 5

Pg. 9

$$\begin{array}{r} 1) \quad y - 12 = 4y \\ \quad \uparrow \qquad \qquad \uparrow \\ \quad -y \qquad \qquad -y \\ \hline \quad -12 = \frac{3y}{3} \\ \quad \quad \quad 3 \\ \quad -41 = y \end{array}$$

$$\begin{array}{r} 9) \quad x + 1 = x + 1 \\ \quad -x \qquad \qquad -x \\ \hline \quad +1 = +1 \\ \quad -1 \qquad -1 \\ \hline \quad 0 = 0 \\ \text{many sol} \end{array}$$

10)