

Chap 1 Sec 4

Pg: 13

$$4(x-5) = 4x - 20$$

$$\cancel{4x} - 20 = \cancel{4x} - 20$$

$$\begin{array}{r} -20 = -20 \\ +20 \quad +20 \\ \hline 0 = 0 \end{array}$$

many sol

$$\frac{7x+3}{-7x} = \frac{7x-3}{-7x}$$

$$\frac{2 = -3}{+3 \quad +3}$$

$$6 = 0$$

NO SOL

$$7x+3 = 7x-6$$

NO SOL

$$-6x+12 = \underline{3x+12} - \underline{9x}$$

$$-6x+12 = -6x+12$$

$$\begin{array}{r} +6x \quad +6x \\ \hline 12 = 12 \end{array}$$

$$12 = 12$$

Many sol

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

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

$$\begin{array}{r} +15 \quad +15 \\ \hline 30 - \frac{1}{4}x = \frac{1}{4}x \end{array}$$

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

$$\begin{array}{r} +\frac{1}{4}x \quad +\frac{1}{4}x \\ \hline 30 = \frac{1}{2}x \end{array}$$

$$30 = \frac{1}{2}x$$

$$\Rightarrow 60 = x$$

$$\begin{aligned}7 + 5(b - 3) &= b \\ \overline{7} + 5b - \overline{15} &= b \\ -8 + 5b &= b \\ \underline{-5b \quad -5b}\end{aligned}$$

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

$$12k + 20 - 2k = 30$$

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