

$$d = 8.5 - .5t$$

$$d = 2.5 + .75t$$

$$d = 8.5 - .5t \quad 8.5 - .5t = 2.5 + .75t$$

$$d = 8.5 - 2.5$$

$$d = 6$$

$$\frac{6}{1.25} = \frac{1.25t}{1.25}$$

$$4.8 = t$$

Elimination Method

$$F + S = 163$$

$$F - S = 33$$

$$+ F - S = 33$$

$$\frac{2F}{2} = \frac{196}{2}$$

$$94 + S = 163$$

$$F = 98$$

$$S = 65$$

$$C + 13P = 11 \longrightarrow C = -13P + 11$$

$$2C + 8P = 8.5$$

↑

$$2(-13P + 11) + 8P = 8.5$$

$$-2(C + 13p = 11) \rightarrow -2c + -26p = -22$$

$$2c + 8p = 8.5 \quad + \quad 2c + 8p = 8.5$$

$$2(C + 13p = 11)$$

$$2c + 8p = 8.5$$

$$0 + -18p = 13.5$$

$$\frac{-18}{-18} \quad \frac{-18}{-18}$$

$$p = .75$$

$$2c + 26p = 22$$

$$+ \quad -2c + 8p = 8.5$$

$$0 + 18p = 13.5$$

$$p = .75$$

$$1 \quad (2a + 10b = 1234)$$

$$2 \quad (7a + 4b = 1405)$$

$$14a + 70b = 8638$$

$$- \quad 14a + 8b = 2810$$

$$0 \quad \frac{62b}{62} = \frac{5828}{62}$$

$$b = 94$$

$$a = 147$$

$$2a + 10(94) = 1234$$

$$2a + 940 = 1234$$

$$\begin{array}{r} -940 \\ \hline 2a = 294 \\ \hline \end{array}$$

$$\begin{array}{l} 2 \left(\begin{array}{l} x - 2y = 6 \\ 3x + 4y = 8 \end{array} \right) \end{array} \quad \begin{array}{l} 2x - 4y = 12 \\ 3x + 4y = 8 \end{array}$$

$$\begin{array}{r} -4 \\ 4 \cdot 2y = 6 \\ \hline -2y = \frac{2}{-2} \end{array}$$

$$y = -1$$

$$\begin{array}{r} 5x = 20 \\ \hline 5 \quad 5 \end{array}$$

$$x = 4$$

$$\begin{array}{l} 3 \left\{ \begin{array}{l} x - 2y = 6 \\ 3x + 4y = 8 \end{array} \right. \end{array}$$

$$\begin{array}{r} 3x - 6y = 18 \\ - 3x + 4y = 8 \end{array}$$

$$\begin{array}{r} 0 + \frac{-10y}{-10} = \frac{10}{-10} \end{array}$$

$$-1 = -1$$

$$\begin{aligned} 1) \quad & 6x + 5y = -20 \\ & -6x - 10y = 25 \end{aligned}$$

$$\begin{aligned} 2) \quad & 5x - 4y = 23 \\ & 7x + 8y = 5 \end{aligned}$$

$$\begin{aligned} 3) \quad & 2x - 5y = 12 \\ & 6x - 15y = 36 \end{aligned}$$

$$\begin{aligned} 4) \quad & 3x + 7y = -8 \\ & 5x + 8y = -6 \end{aligned}$$

$$\begin{aligned} 5) \quad & 2x + y = 10 \\ & 5x - y = 18 \end{aligned}$$

$$\begin{aligned} 6) \quad & 3x + 5y = 4 \\ & 3x + 7y = 2 \end{aligned}$$

$$\begin{aligned} 7) \quad & 2x + 9y = -15 \\ & 5x + 9y = -24 \end{aligned}$$