

$$\begin{array}{r}
 x + y = 2 \\
 (-) \quad x - 2y = 4 \\
 \hline
 3y = -2
 \end{array}$$

$$x + y = 2 \longrightarrow 2[x + y] = 2[2] \longrightarrow 2x + 2y = 4$$

$$x - 2y = 4$$

$$\begin{array}{r}
 (+) \\
 \hline
 3x \qquad = 8
 \end{array}$$

$$\underline{3x} = \underline{8}$$

$$\boxed{(\quad, \quad)}$$

Eliminating the x-values:

$$\begin{array}{rcl} 2x - 3y = 3 & \longrightarrow & 3[2x - 3y] = 3[3] & \longrightarrow & 6x - 9y = 9 \\ 3x + 4y = -1 & \longrightarrow & 2[3x + 4y] = 2[-1] & \longrightarrow & \begin{array}{r} (-) 6x + 8y = -2 \\ \hline -17y = 11 \end{array} \end{array}$$

$$y =$$

Eliminating the y-values:

$$\begin{array}{r} 2x - 3y = 3 \longrightarrow 4[2x - 3y] = 4[3] \longrightarrow 8x - 12y = 12 \\ 3x + 4y = -1 \longrightarrow 3[3x + 4y] = 3[-1] \longrightarrow (+) 9x + 12y = -3 \\ \hline 17x \qquad \qquad = 9 \end{array}$$

$$17x = 9$$

$$x =$$

$$\boxed{(\quad , \quad)}$$