

Substitution

$$y = 3x - 10$$

$$y = 5x + 14$$

$$3x - 10 = 5x + 14$$

$$\begin{array}{r} -3x \quad -3x \\ \hline \end{array}$$

$$-10 = 2x + 14$$

$$\begin{array}{r} -14 \quad -14 \\ \hline \end{array}$$

$$-24 = 2x$$

$$\boxed{-12 = x}$$

$$y = 3(12) - 10$$

$$y = -36 - 10$$

$$\boxed{y = -46}$$

$$\boxed{(-12, -46)}$$

$$\boxed{Pg 109 \#6}$$