

$$4) 14x^2 + 3x = 11$$

$$14x^2 + 3x - 11 = 0$$

$$x = \frac{-3 \pm \sqrt{3^2 - 4(14)(-11)}}{2 \times 14}$$

$$x = \frac{-3 \pm \sqrt{625}}{28}$$

$$x = \frac{11}{14} \quad x = -1 \quad x = -3/6$$

$$5) \begin{array}{l} 5x + 3y = 39 \quad (1) \times 2 \\ 8x - 2y = 42 \quad (2) \times 3 \end{array}$$

$$\begin{array}{l} 10x + 6y = 78 \\ 24x - 6y = 126 \end{array}$$

$$34x = 204$$

$$x = 6$$