

$$2. \quad 12x^2 + 5x = 7$$

$$12x^2 + 5x - 7 = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{-5 \pm \sqrt{5^2 - 4 \times 12 \times -7}}{2 \times 12}$$

$$x_+ = 0.58$$

$$x_- = -1.00$$

$$3. \quad 3 \times 5x + 2y = 22 \quad (1)$$

$$2 \times 4x + 3y = 19 \quad (2)$$

$$15x + 6y = 66 \quad (3)$$

$$8x + 6y = 38 \quad (4)$$

$$\underline{7x} = 28$$

$$x = \frac{28}{7}$$

$$x = 4$$

$$5(4) + 2y = 22$$

$$20 + 2y = 22$$

$$2y = 22 - 20$$

$$2y = 2$$

$$y = \frac{2}{2}$$

$$y = 1$$