

$$v) \frac{10x^5}{2x^2} = 5x^3$$

$$5) 2(x^2 + y^2) + x^2(x - y) + 3xy - x^3$$

$$2x^2 + 2y^2 + \cancel{x^3} - x^2y + 3xy - \cancel{x^3}$$

$$= 2x^2 + 2y^2 - x^2y + 3xy$$

6)

$$i) 5(2x + 1) = 4(3x + 2)$$

$$10x + 5 = 12x + 8$$

$$10x - 12x = 8 - 5$$

$$-2x = 3$$

$$x = \frac{3}{-2}$$

$$ii) 12x + 5 = 4x - 1$$

$$12x - 4x = -1 - 5$$

$$8x = -6$$