

27/10/2020 15:48

5.

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

?

6.

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

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

$$10x - 12x + 5 = 8 \Rightarrow 10x - 12x = 8 - 5$$

$$-2x = 8 - 5 \Rightarrow -2x = 3$$

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

$$(ii) \quad 12x + 5 = 4x - 1$$

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

$$8x - 4x = -1 - 5$$

$$8x = -1 - 5 \Rightarrow 8x = -6$$

$$~~8x = -6~~ \quad x = -\frac{3}{4}$$

(iii)

7