

Q2 (i) $7x - 5x = 4 + 1$

$$2x = 5$$

$$x = \frac{5}{2}$$

$$x = 2.5$$

(ii) $30x + 6 = 14x - 7$

$$16x = -13$$

$$x = \frac{-13}{16}$$

$$x = -0.8125$$

(iii) $3(2x - 1) = 4(1)$

$$5x - 2 = 4x + 5$$

$$-2 - 5 = 5x - 4x$$

$$-7 = x$$

(iv) $(x+2)(x+2) = (x+3)(x+5)$

$$x^2 + 4x + 4 = x^2 + 3x + 15$$

$$4x + 4 = 3x + 15$$

$$4x - 3x = 15 - 4$$

$$x = 11$$