

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

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

$$x^2 + 4x + 4 = x^2 + 8x + 15$$

$$\begin{array}{r} -x^2 \end{array} \quad 4x + 4 = 8x + 15$$

$$\begin{array}{r} -4x \end{array} \quad 4 = 4x + 15$$

$$\begin{array}{r} -15 \end{array} \quad -11 = 4x$$

$$\begin{array}{r} :4 \end{array} \quad \underline{x = -2.75}$$

$$3) \quad i) x^2 + 9x + 14 = 0$$

$$\underline{(x+7)(x+2)}$$

$$ii) x^2 - 7x + 10 = 0$$

$$\underline{(x-5)(x-2)}$$