

1.11.21

$$ii) 10(3x+2) = 7(-2x+1)$$

$$\begin{array}{r} 30x + 20 = -14x - 7 \\ 14x \quad -20 \quad \wedge \quad -7 \quad -20 \end{array} \quad 14x = -27 \quad \boxed{14x = -27}$$

$$iii) \frac{3}{(2x+1)} = \frac{2}{(x-1)}$$

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

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

3)

$$i) x^2 + 9x + 14 = 0$$

7 2

$$(x+7)(x+2)$$

$$\boxed{x = -7} \quad \boxed{x = -2}$$

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

$$(x-2)(x-5)$$

$$\begin{array}{l} 2+5 = 7 \\ 2 \times 5 = 10 \end{array}$$

$$x = 2 \quad x = 5$$