

$$(iii) \frac{5x+3}{4} = \frac{2x+1}{1} = \frac{8x+4}{45x+12} = 5.6x+3$$

$$x = 5.6x + 3$$

3

$$(i) x^2 + 10x + 21 = 0$$

$$(x+7)(x+3) = 0$$

$$x+7=0 \quad x+3=0$$

$$\boxed{x = -7} \quad \boxed{x = -3}$$

$$(ii) x^2 - 3x + 2 = 0$$

$$(x-3)(x-1) = 0$$

$$x-3=0 \quad x-1=0$$

$$\boxed{x = 3} \quad \boxed{x = 1}$$

$$(iii) x^2 + 12x + 20 = 0$$

$$(x+10)(x+2) = 0$$

$$x+10=0 \quad x+2=0$$

$$\boxed{x = -10} \quad \boxed{x = -2}$$