

$$\text{iv. } x^2 - 49 = 0$$

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

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

$$x = 7 \quad x = -7$$

$$\text{v. } 2x^2 - 3x - 20 = 0$$

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

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

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

$$\text{4) } x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\begin{matrix} a & b & c \\ -5x & +14 & = 17x^2 \end{matrix}$$

$$\downarrow 17x^2 - (-5x + 14) = -5x + 14 - (-5x + 14)$$

$$\downarrow 17x^2 + 5x - 14 = 0$$

$$\begin{matrix} a & b & c \end{matrix}$$

$$x = \frac{-5 \pm \sqrt{5^2 - 4(17)(-14)}}{2(17)}$$

$$x = \frac{-5 \pm \sqrt{10 + 977}}{34}$$

$$x = \frac{-5 \pm \sqrt{31.2}}{34}$$

$$x = \frac{-5 - 31.2}{34} \quad \text{or} \quad x = \frac{-5 + 31.2}{34}$$

$$x = \frac{26.2}{34} \quad \text{or} \quad \frac{-26.2}{34} ?$$