

$$\text{ii)} \quad 12x^2 - 5x - 3 = 0$$

$$(4x-3)(3x+1) = 0$$

~~addition~~

$$12x^2 - 5x - 3 = 0$$

$$4x - 3 = 0$$

$$x = \frac{3}{4}$$

$$4x + 1 = 0$$

$$x = -\frac{1}{4}$$

$$\text{ii)} \quad 2x^2 + 17x = -30$$

$$2x^2 + 17x + 30 = 0$$

$$(2x+5)(x+6) = 0$$

$$2x^2 + 12x + 5x + 30 = 0$$

$$2x + 5 = 0$$

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

$$x + 6 = 0$$

$$x = -6$$

$$\text{iv)} \quad x^2 - 256 = 0$$

$$x^2 - 256 + 256 = 0 + 256$$

$$x^2 = 256$$

$$x = \sqrt{256}$$

$$x = 16$$

$$x = 16$$

$$x = -16$$