

$$4x^2 \geq 9$$

$$4x^2 - 9 \geq 0$$

$$4x^2 - 9 = 0$$

$$4x^2 = 9 \quad / : 4$$

$$x^2 = \frac{9}{4} \quad / \sqrt{}$$

$$\sqrt{x^2} = \sqrt{\frac{9}{4}}$$

$$|x| = \frac{3}{2}$$

$$x_1 = \frac{3}{2} \quad \vee \quad x_2 = -\frac{3}{2}$$

$$\text{lub} \quad 4x^2 - 9 = 0$$

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

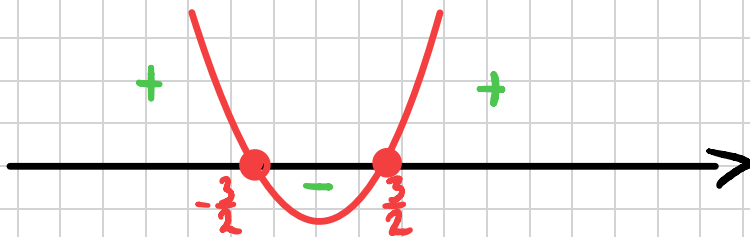
$$2x-3=0 \quad \vee \quad 2x+3=0$$

$$2x=3 \quad / : 2$$

$$x_1 = \frac{3}{2}$$

$$2x=-3 \quad / : 2$$

$$x_2 = -\frac{3}{2}$$



$$x \in \left(-\infty, -\frac{3}{2}\right] \cup \left[\frac{3}{2}, +\infty\right)$$