

$$6x > -x^2 - 9$$

$$x^2 + 6x + 9 > 0$$

$$\Delta = 6^2 - 4 \cdot 1 \cdot 9 = 36 - 36 = 0$$

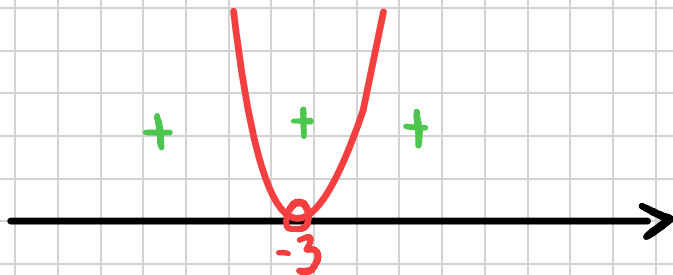
$$x_0 = \frac{-6}{2 \cdot 1} = \frac{-6}{2} = -3$$

$$\text{bzw. } x^2 + 6x + 9 = 0$$

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

$$x+3 = 0$$

$$x = -3$$



$$x \in \mathbb{R} - \{-3\}$$