Find the Discriminant

10. x^2-12x+36=0

11. 5x^2=x

12. 2x^2= -x-12

$D$ – discriminant

$D = b^2 - 4ac$

**10.** $x^2 - 12x + 36 = 0$

$D = 12^2 - 4 \cdot 1 \cdot 36 = 0$

**11.** $5x^2 = x$

$5x^2 - x = 0$

$D = (-1)^2 - 4 \cdot 5 \cdot 0 = 1$

**12.** $2x^2 = -x - 12$

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

$D = 1^2 - 4 \cdot 2 \cdot 12 = -95$