

Inecuaciones de 2° grado

Unir con flechas cada inecuación con el conjunto solución correspondiente

1) $x^2 > 1$

a) $\mathbb{R}$

2) $x^2 < 1$

b) $(-\infty; -1) \cup (1; +\infty)$

3) $x^2 > -1$

c) $(1; +\infty)$

4) $x^2 < -1$

d) $(-1; 1)$

e) $(-\infty; -1)$

Resolver las siguientes inecuaciones e indicar el conjunto solución en cada caso

1) $3x^2 - 12 < 0$

$S = (-\infty; -2)$

$S = (2; +\infty)$

$S = (-2; 2)$

$S = \mathbb{R}$

$S = \emptyset$

2) $-x^2 + 9 \leq 0$

$S = (-\infty; -3] \cup [3; +\infty)$

$S = (-\infty; 3]$

$S = [0; +\infty)$

$S = [0; 3]$

3) $x(x + 1) - 25 > x$

$S = [-5; 5]$

$S = (-\infty; -5) \cup (5; +\infty)$

$S = (-\infty; -5] \cup [5; +\infty)$

$S = \mathbb{R}$

4) $x^2 - 3x \geq 0$

$S = (-\infty; 0] \cup [3; +\infty)$

$S = (-3; 0)$

$$S = (-\infty; -3]$$

$$S = [0; +\infty)$$

$$5)(x + 2)^2 < 4$$

$$S = (-\infty; -4] \cup [0; +\infty)$$

$$S = (-4; +\infty)$$

$$S = (0; +\infty)$$

$$S = (-4; 0)$$

$$6)2x^2 - 4x - 6 \geq 0$$

$$S = (-1; +\infty)$$

$$S = (3; +\infty)$$

$$S = (-1; +3)$$

$$S = (-\infty; -1] \cup [3; +\infty)$$

