

Quadratic inequalities

№1. Solve the following inequalities:

1. $x^2 - 1 \geq 0;$

7. $-x^2 - 2x + 8 > 0;$

2. $x^2 - 16 \leq 0;$

8. $x^2 - 6x + 7 < 0;$

3. $-x^2 - 4x - 3 \geq 0;$

9. $x^2 - x - 12 < 0;$

4. $x^2 - 1 < 0;$

10. $2x^2 - 3x + 1 > 0;$

5. $x^2 - 9x + 14 \geq 0;$

11. $2x^2 + 3x + 4 > 0;$

6. $x^2 + 4x + 9 \leq 0;$

12. $x^2 - 8x + 12 \geq 0.$