

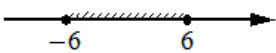
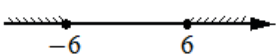
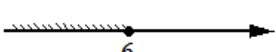
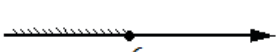
1) Укажите решение неравенства:  $-3 - x > 4x + 7$

- 1)  $(-\infty; -0,8)$
- 2)  $(-\infty; -2)$
- 3)  $(-2; +\infty)$
- 4)  $(-0,8; +\infty)$

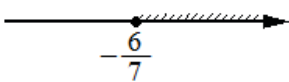
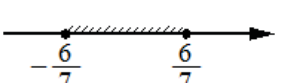
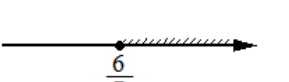
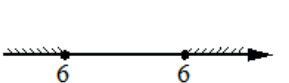
2) Укажите решение неравенства  $x^2 - 36 > 0$

- 1)  $(-\infty; +\infty)$
- 2)  $(-\infty; -6) \cup (6; +\infty)$
- 3)  $(-6; 6)$
- 4) нет решений

3) Укажите решение неравенства  $x^2 \leq 36$

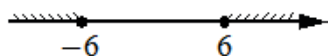
- 1) 
- 2) 
- 3) 
- 4) 

4) Укажите решение неравенства  $49x^2 \geq 36$

- 1) 
- 2) 
- 3) 
- 4) 



5) Укажите неравенство, решение которого изображено на рисунке:



- 1)  $x^2 - 36 \leq 0$
- 2)  $x^2 + 36 \geq 0$
- 3)  $x^2 - 36 \geq 0$
- 4)  $x^2 + 36 \leq 0$

6) Укажите решение неравенства  $6x - x^2 \geq 0$

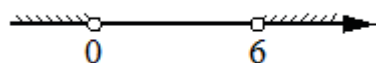
- 1)  $[0; +\infty)$
- 2)  $(-\infty; 0] \cup [6; +\infty)$
- 3)  $[0; 6]$
- 4)  $[6; +\infty)$

7) Укажите решение неравенства  $8x - x^2 < 0$

- 1)
- 2)
- 3)
- 4)



8) Укажите неравенство, решение которого изображено на рисунке:



- 1)  $x^2 - 6x < 0$
- 2)  $x^2 - 6x > 0$
- 3)  $x^2 + 36 > 0$
- 4)  $x^2 - 36 > 0$

9) Укажите решение неравенства  $(x + 2)(x - 10) > 0$

- 1)  $(-2; 10)$
- 2)  $(-\infty; -2) \cup (10; +\infty)$
- 3)  $(10; +\infty)$
- 4)  $(-2; +\infty)$

10) Укажите решение неравенства  $(x + 6)(x - 1) < 0$

- 1)  $(-\infty; 1)$
- 2)  $(-\infty; -6)$
- 3)  $(-\infty; -6) \cup (1; +\infty)$
- 4)  $(-6; 1)$

11) Укажите решение неравенства  $(x + 3)(x - 7) \leq 0$

- 1) 

A number line with a closed circle at 7. The region to the left of 7 is shaded with diagonal lines.
- 2) 

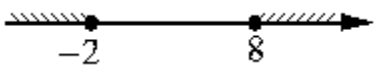
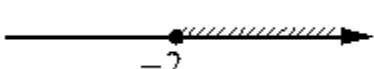
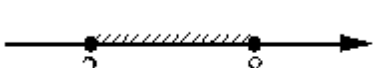
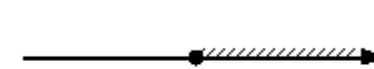
A number line with closed circles at -3 and 7. The regions to the left of -3 and to the right of 7 are shaded with diagonal lines.
- 3) 

A number line with closed circles at -3 and 7. The region between -3 and 7 is shaded with diagonal lines.
- 4) 

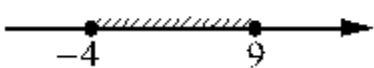
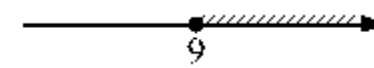
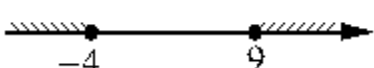
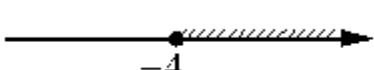
A number line with a closed circle at -3. The region to the left of -3 is shaded with diagonal lines.



12) Укажите решение неравенства  $(x + 2)(x - 8) \geq 0$

- 1) 
- 2) 
- 3) 
- 4) 

13) Укажите решение неравенства  $(x + 4)(x - 9) \geq 0$

- 1) 
- 2) 
- 3) 
- 4) 

14) Укажите решение системы неравенств

$$\begin{cases} x - 2,6 \leq 0, \\ x - 1 \geq 1. \end{cases}$$

- 1)  $[2; 2,6]$
- 2)  $(-\infty; 2,6]$
- 3)  $(-\infty; 2] \cup [2,6; +\infty)$
- 4)  $[2; +\infty)$



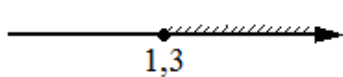
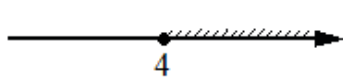
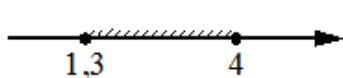
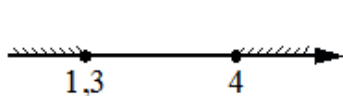
15) Укажите решение системы неравенств

$$\begin{cases} -5 + 5x < 0, \\ 4 - 3x < 31. \end{cases}$$

- 1)  $(-9; 1)$
- 2) нет решений
- 3)  $(-9; +\infty)$
- 4)  $(-\infty; 1)$

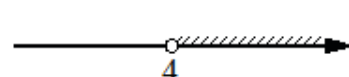
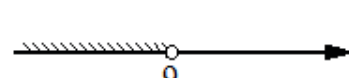
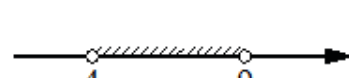
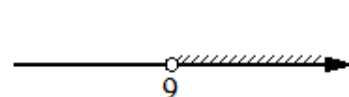
16) Укажите решение системы неравенств

$$\begin{cases} x - 4 \geq 0, \\ x - 0,3 \geq 1. \end{cases}$$

- 1) 
- 2) 
- 3) 
- 4) 

17) Укажите решение системы неравенств

$$\begin{cases} -27 + 3x > 0, \\ 6 - 3x < -6. \end{cases}$$

- 1) 
- 2) 
- 3) 
- 4) 



18) Укажите решение системы неравенств

$$\begin{cases} -9 + 3x < 0, \\ 2 - 3x > -10. \end{cases}$$

