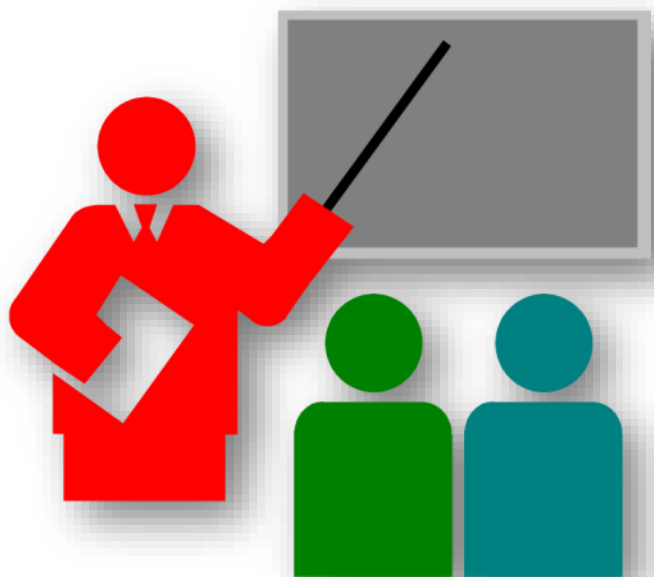


Решение неравенств. Задание №13 ОГЭ



Руководитель вебинара:

Монастырная

Лариса

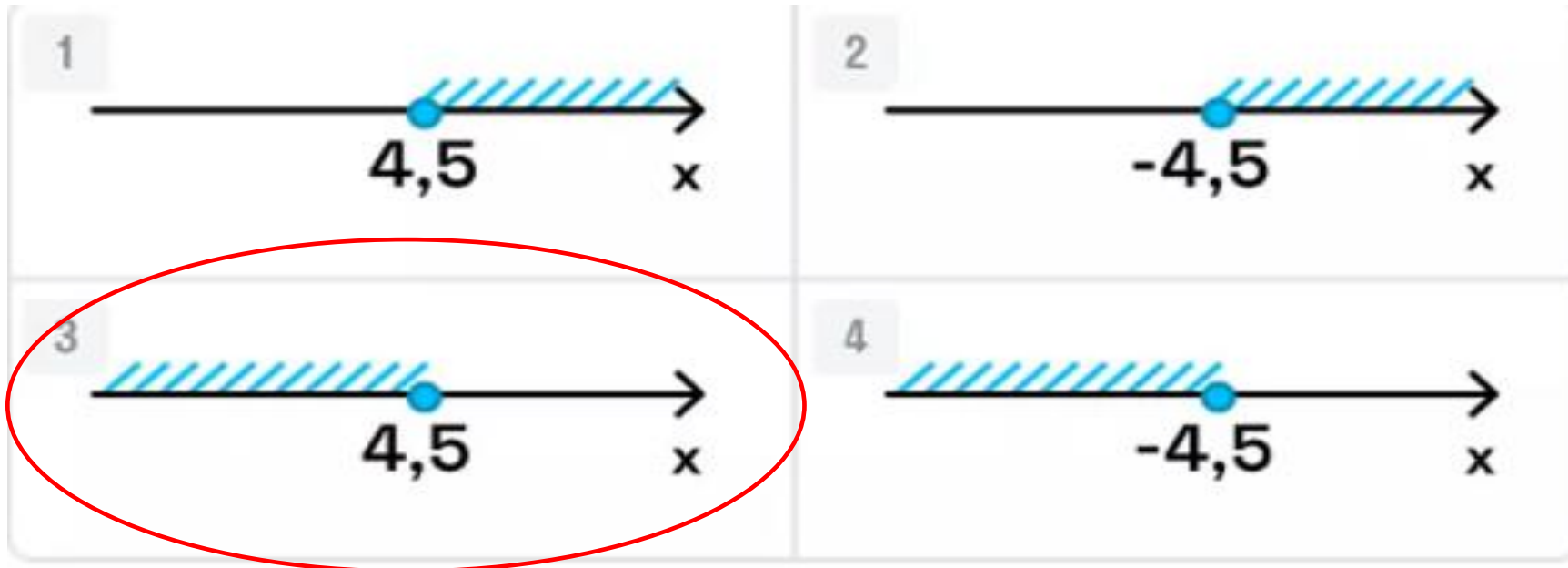
Анатольевна

$$1. 5x + 15 \leq 2x + 1,5$$

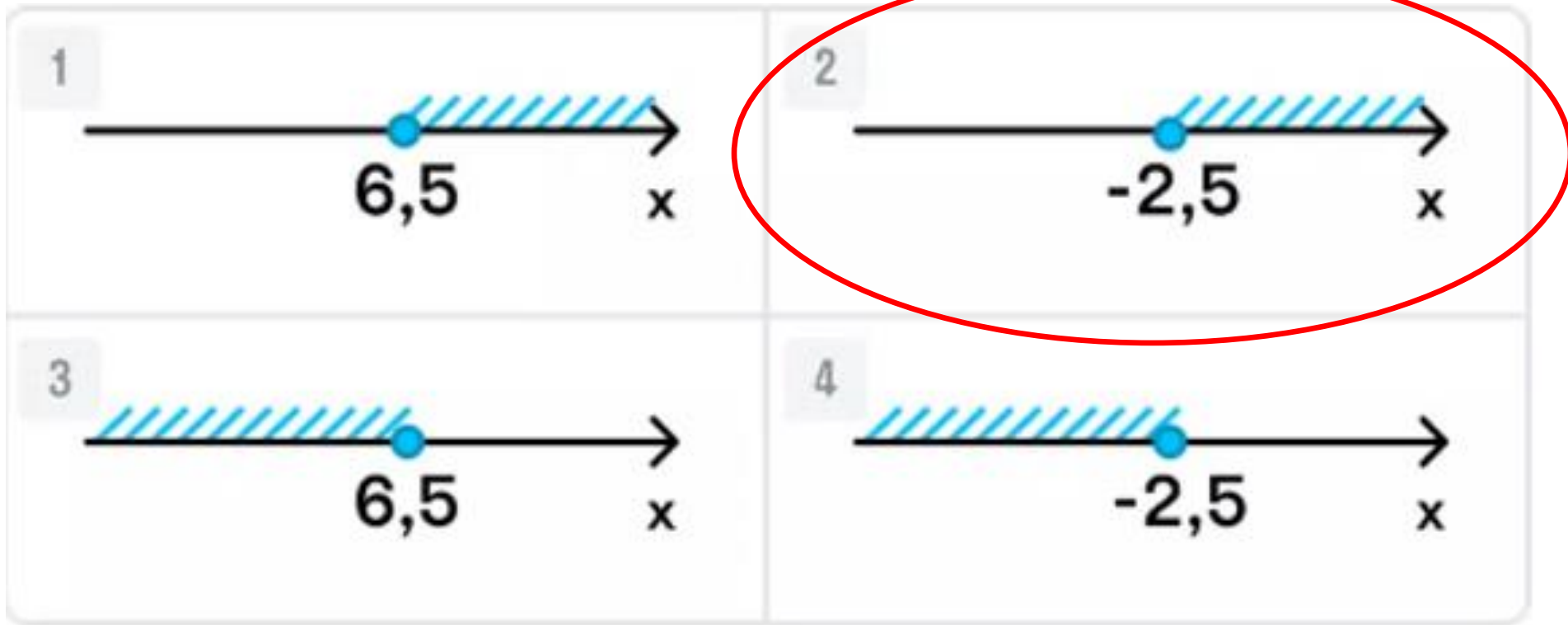
$$5x - 2x \leq 1,5 - 15$$

$$3x \leq 13,5$$

$$x \leq 4,5$$



$$2. \ 3x - 4 \geq -x - 14$$



$$3. -3-4x < 2x + 12$$

$$\begin{aligned} & -4x-2x < 12+3 \\ & -6x < 15 \\ & x > -2,5 \end{aligned}$$

$$1) (-\infty; -1,5)$$

$$2) (-1,5; +\infty)$$

$$3) (-\infty; -2,5)$$

$$4) (-2,5; +\infty)$$

4. $2x - 6 > 4x + 8$

1) $(-\infty; 1)$

2) $(1; +\infty)$

3) $(-\infty; -7)$

4) $(-7; +\infty)$

$$5. \ 3 - 2x \geq 8x - 1$$

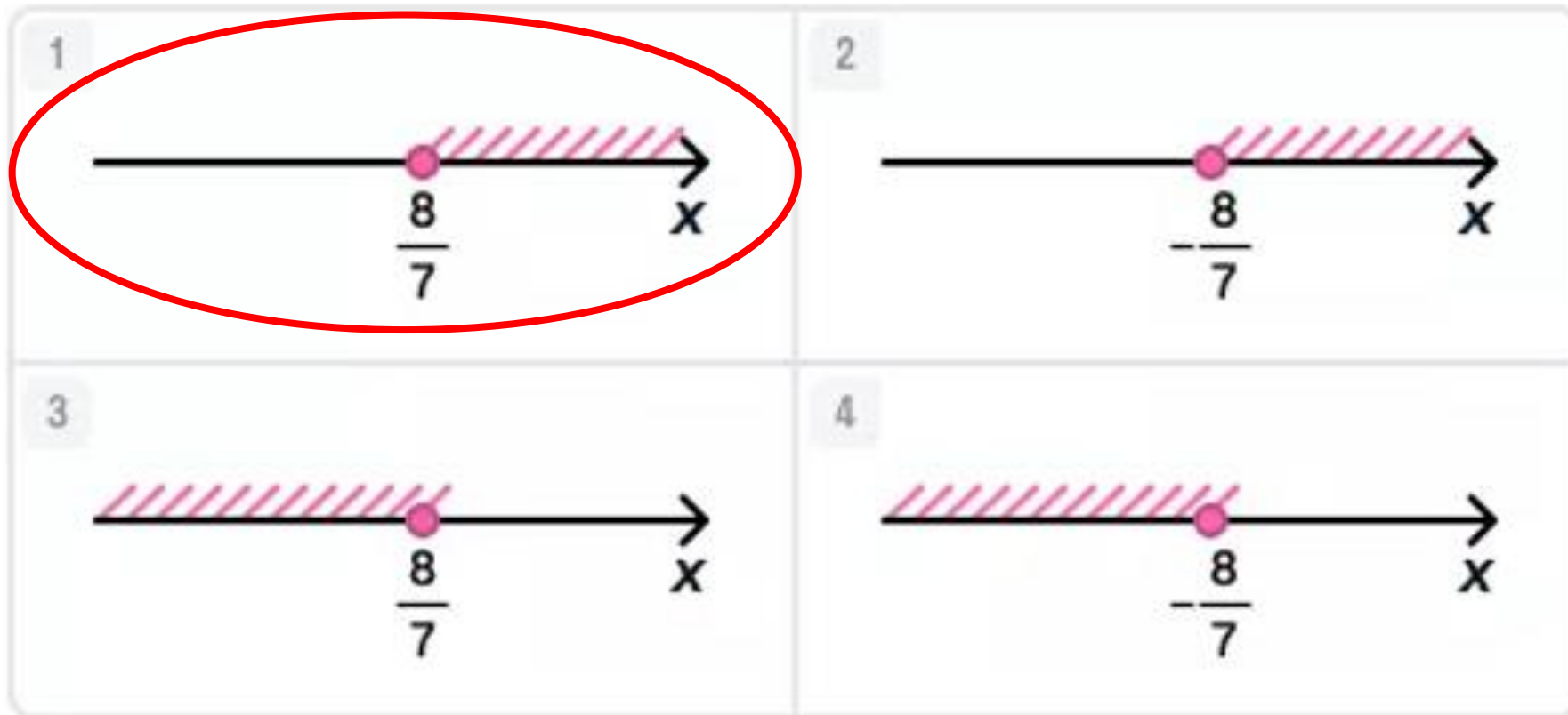
$$1 \quad [-0, 2; +\infty)$$

$$2 \quad (-\infty; 0, 4]$$

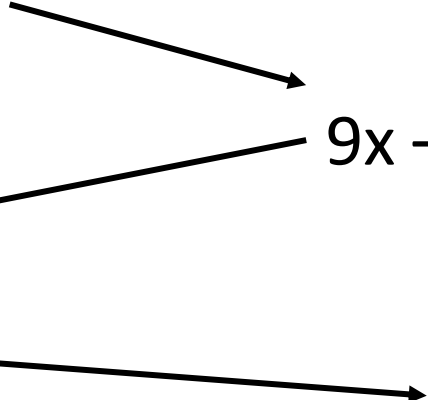
$$3 \quad [0, 4; +\infty)$$

$$4 \quad (-\infty; -0, 2]$$

$$6. 4 - 7(x + 3) \leq -9$$



$$7. 9x - 4 > 12 + x$$


$$9x - x > 12 + 4$$

$$8x > 16$$

$$x > 2$$

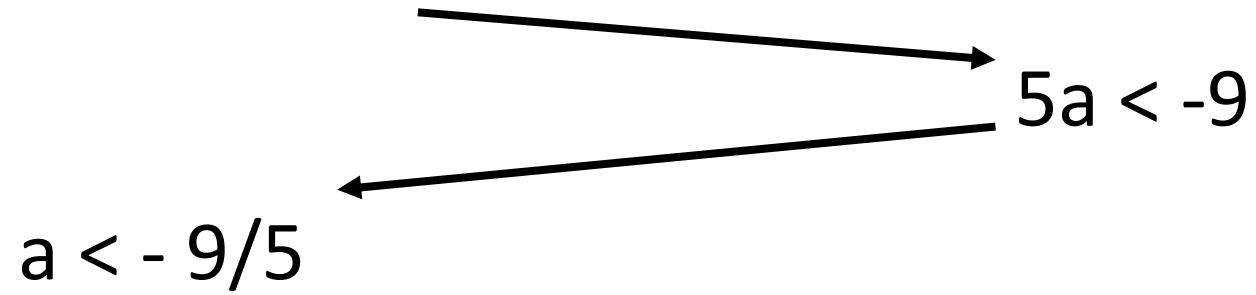
1 $x > 2$

2 $x < 2$

3 $x > -2$

4 $x < -2$

$$8. 5a + 9 < 0$$


$$5a < -9$$
$$a < -9/5$$

$$1) a > -\frac{9}{5}$$

$$2) a < -\frac{5}{9}$$

$$3) a > -\frac{5}{9}$$

$$4) a < -\frac{9}{5}$$

$$9. 6x - x^2 < 0$$

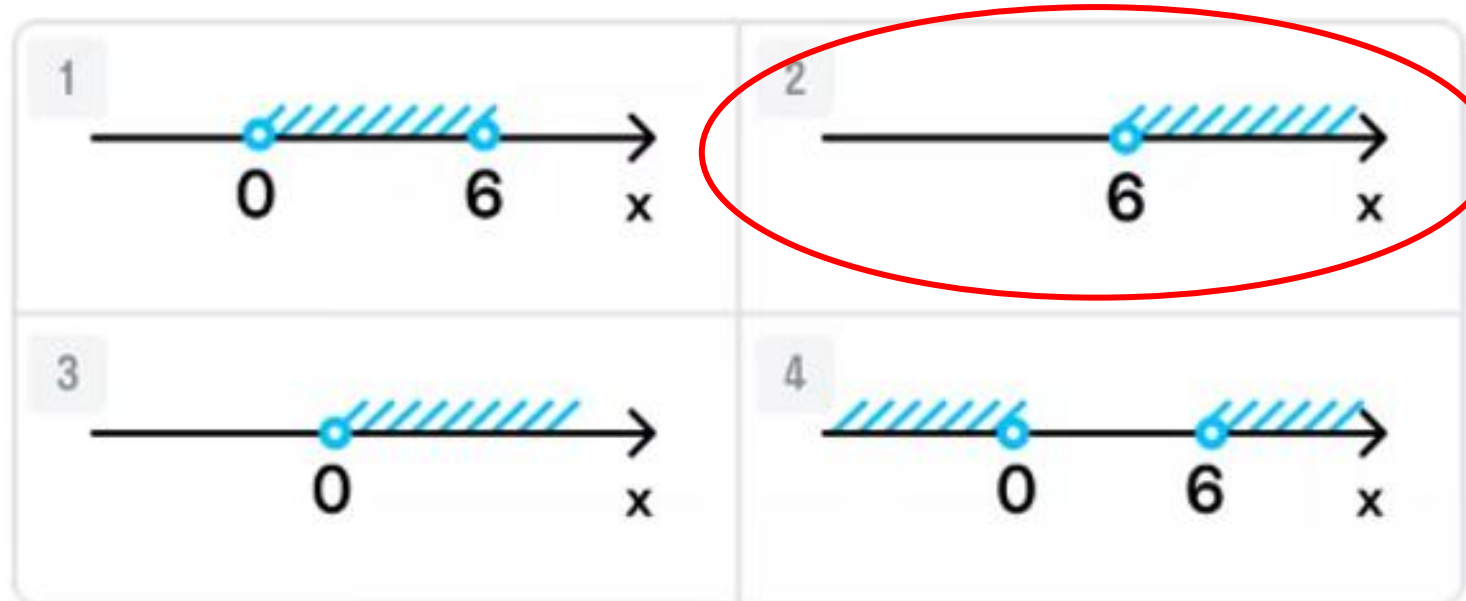
$$x(6 - x) < 0$$

$$x=0$$

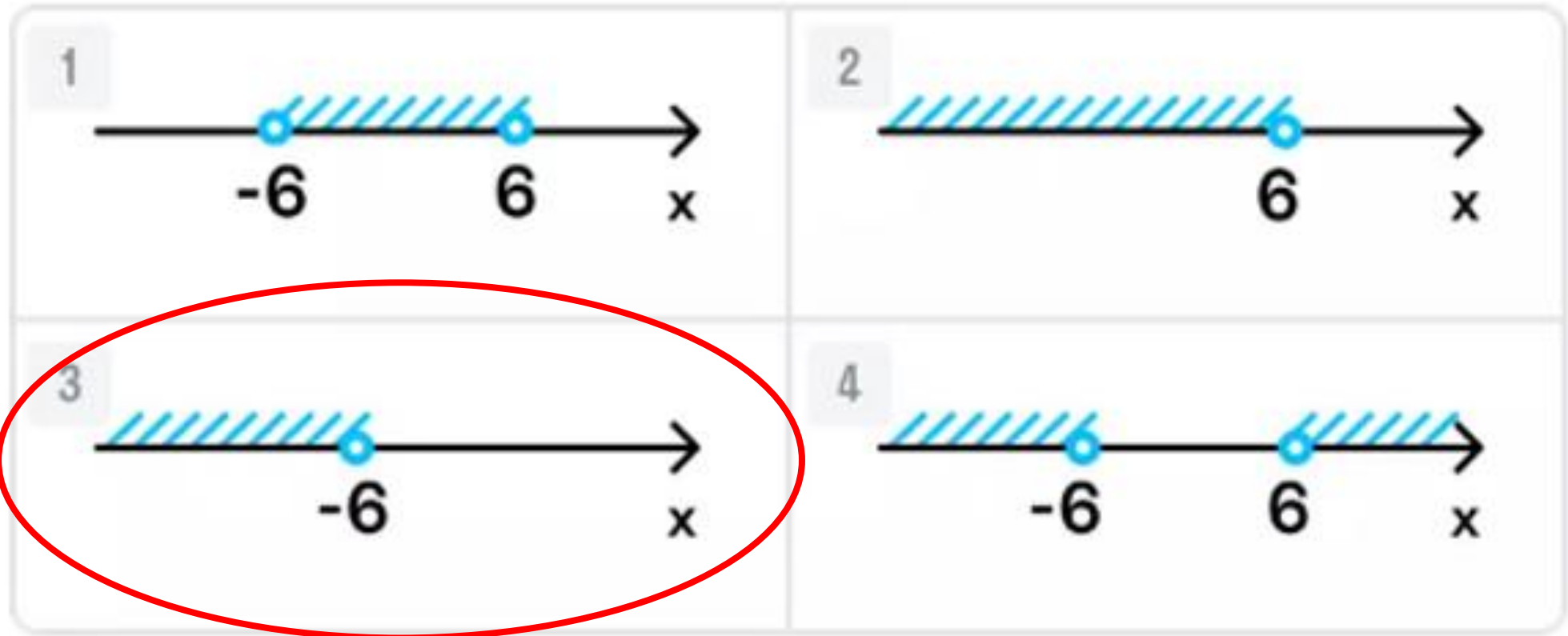
$$6-x < 0$$

$$-x < -6$$

$$x > 6$$



10. $x^2 < 36$



$$11. \begin{cases} 7 - 3x \geq 1 \\ 2x - 3 \leq 5 \end{cases}$$

$$\begin{cases} -3x \geq -6 \\ 2x \leq 8 \end{cases}$$

$$\begin{cases} x \leq 2 \\ x \leq 4 \end{cases}$$

