

$$4) \begin{cases} 2 - 3x < 4x - 12 \\ 7 + 3x \geq 2x + 10 \end{cases}$$

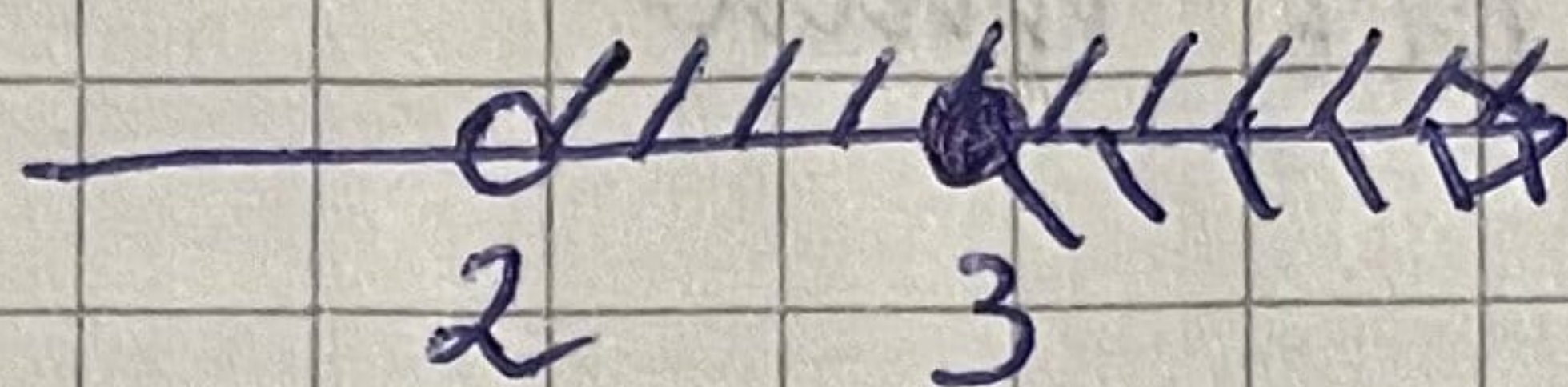
$$\begin{cases} -3x - 4x < -12 - 2 \\ 3x - 2x \geq 10 - 7 \end{cases}$$

$$\begin{cases} -7x < -14 \\ x \geq 3 \end{cases}$$

$$\begin{cases} -x < -14 : 7 \\ x \geq 3 \end{cases}$$

$$\begin{cases} -x < -2 \quad | \cdot (-1) \\ x \geq 3 \end{cases}$$

$$\begin{cases} x > 2 \\ x \geq 3 \end{cases}$$



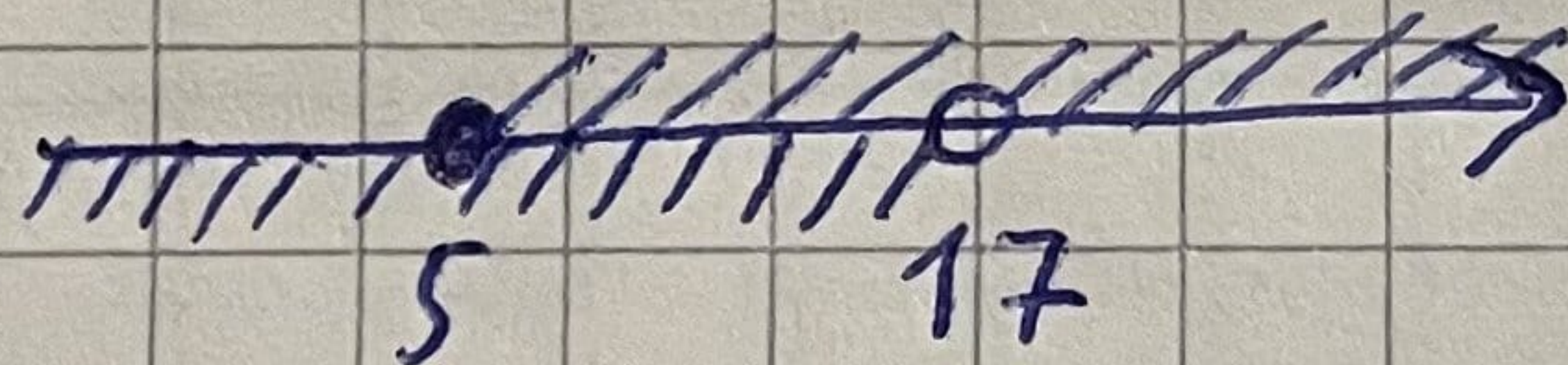
$$x \in [3; +\infty)$$

$$5) \begin{cases} x + 3 \geq 8 \\ \frac{x+1}{3} < 6; | \cdot 3 \end{cases}$$

$$\begin{cases} x \geq 8 - 3 \\ x + 1 < 18 \end{cases}$$

$$\begin{cases} x \geq 5 \\ x < 18 - 1 \end{cases}$$

$$\begin{cases} x \geq 5 \\ x < 17 \end{cases}$$



$$x \in [5; 17)$$