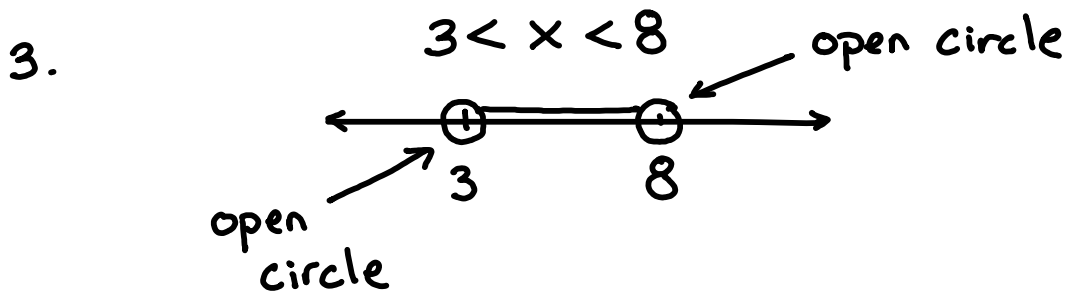




1. $x > 4$

2. True

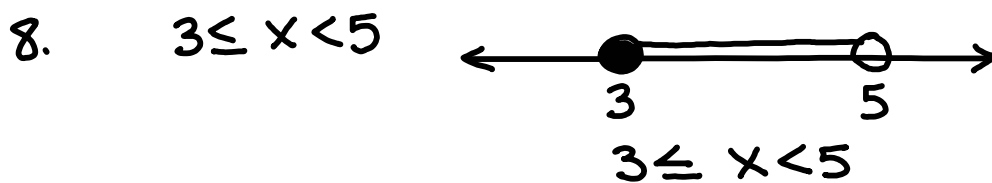


4. The sign reverses

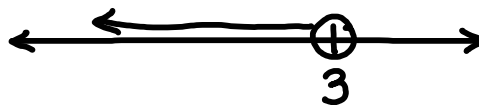
5. $x \geq 25,000$

6. $60 < x < 70$

7. No. $-9 < -10$ is false

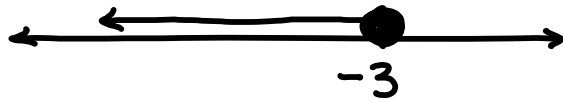


9. $4x < 12$
 $x < 3$



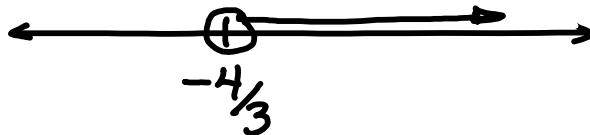
10.

$$\begin{aligned} -3x &\geq 9 \\ x &\leq -3 \end{aligned}$$



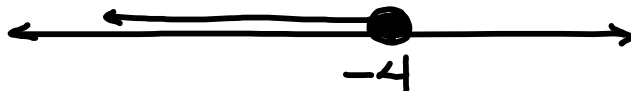
11.

$$\begin{aligned} -x + 5 &> -10x - 7 \\ 9x &> -12 \\ x &> -\frac{12}{9} \\ x &> -\frac{4}{3} \end{aligned}$$



12

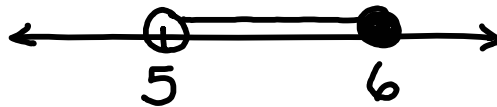
$$\begin{aligned} 3(x-1) &\leq -15 \\ 3x - 3 &\leq -15 \\ 3x &\leq -12 \\ x &\leq -4 \end{aligned}$$



13.

$$10 < 2x \leq 12$$

$$5 < x \leq 6$$



14.

$$1 \leq 2(x+3) \leq x-4$$

$$1 \leq 2x+6 \leq x-4$$

$$1 \leq x+6 \leq -4$$

$$-5 \leq x \leq -10$$



15.

$$-5(3x+1) > (x-2)$$

$$-15x - 5 > x - 2$$

$$-16x > 3$$

$$x < -\frac{3}{16}$$

