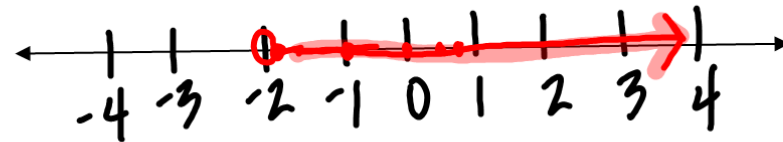
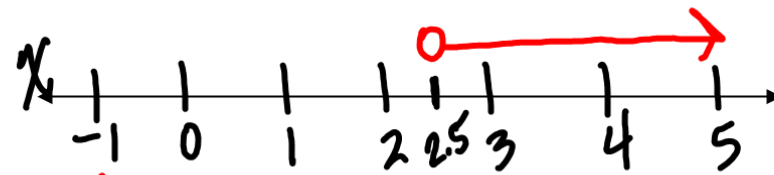


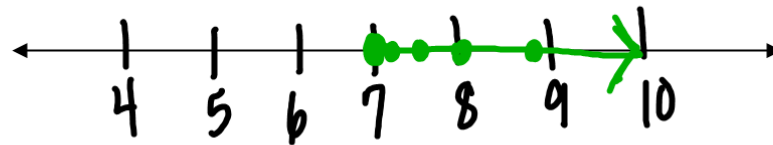
## 5.6 Inequalities



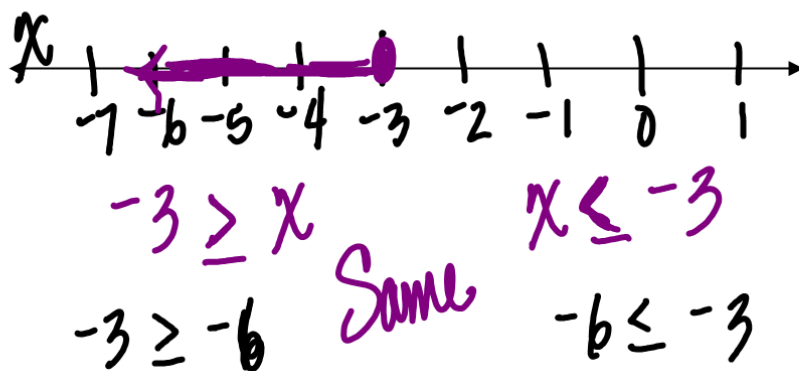
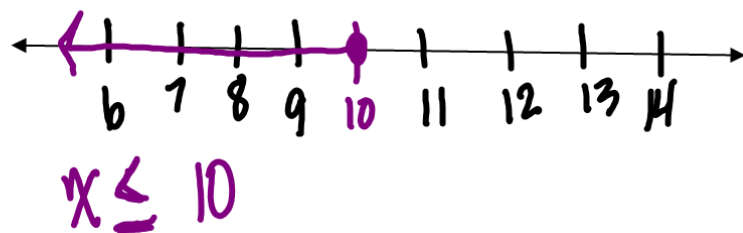
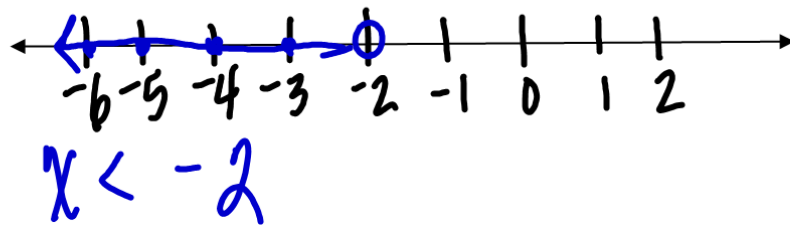
$$x > -2$$



$$x > 2.5$$



$$x \geq 7$$



$-3 \geq x$        $x \leq -3$   
 $-3 \geq -b$       Same       $-b \leq -3$

At least \$20

$$x \geq 20$$

No more than \$50

$$x \leq 50$$

At most \$15

$$x \leq 15$$

Solve

$$x + 4 \leq 9$$

$$x \leq 5$$

Opposite  
Operations

$$b + a > 9$$

$$a > 3$$

$$x - 2 \geq 5$$

$$x \geq 7$$

$$3 \leq x + 1$$

$$2 \leq x$$

$$x + 5 \leq 7, \quad 8$$

$$8 + 5 \leq 7$$

$$13 \leq 7 \quad \text{No}$$

$$a + 3 \geq 12, \quad 10$$

$$10 + 3 \geq 12$$

$$13 \geq 12 \quad \text{Yes}$$

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