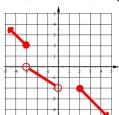
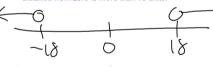
## 1. State the Domain and Range of the graph. Give your answer using inequalities.



$$X < O, X \ge 2$$

Range: 
$$y \leq 0$$
,  $y \geq 2$ 

3. 
$$|5x - 4| > 18$$



$$5x-42-18$$
  $5x-4>18$   $5x-4>18$   $5x<-14$   $5x>22$   $x<-2.8$  or  $x>4.4$ 

2. 
$$2|x+9|-11=27$$

Get absolute value by itself first.

$$2|X+9| = 39$$

$$|X+9| = |9|$$
Distance from zero is exactly 19 units.

$$X+9 = |9|$$

$$X+9 = -|9|$$

$$X=(0,-2f)$$

4. 
$$|x-13| \le 40$$



distance from zero is less than 40 units

$$-40 \le \times -13 \le 40$$

