

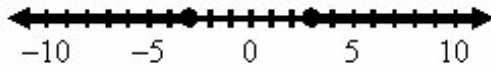
Objective #12

AM: Graph absolute value inequalities (number line)

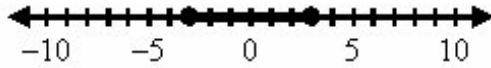
Graph:

1. $|x| \geq 3$

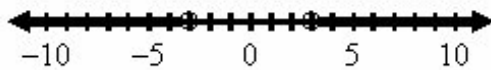
[A]



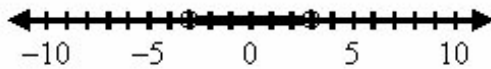
[B]



[C]



[D]



case 1 (+)

$$x \geq 3$$

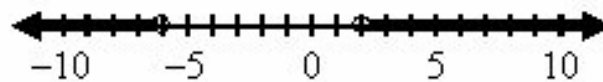
case 2 (-)

$$-x \geq 3$$

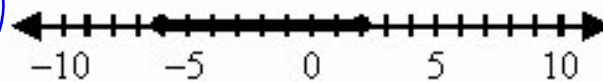
$$x \leq -3$$

2. $|x+2| \leq 4$

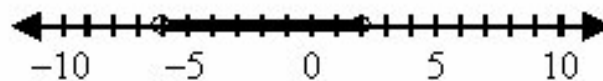
[A]



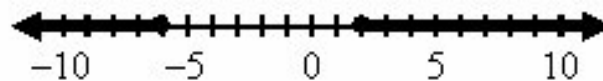
[B]



[C]



[D]



case 1 (+)

$$x+2 \leq 4$$

$$x \leq 2$$

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

$$x+2 \geq -4$$

$$x \geq -6$$