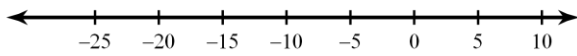


**Learning Target:** I can solve absolute value inequalities in one variable and graph the solution set on a number line.

Directions: Follow along with the video to solve and graph these absolute value inequalities.

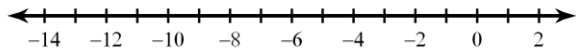
1.

$$|p + 9| \geq 15$$



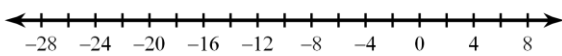
2.

$$|6 + x| + 6 \leq 12$$



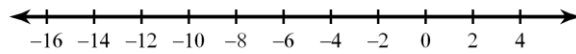
3.

$$\frac{|9 + k|}{8} < 2$$



4.

$$|6 + a| + 10 > 17$$

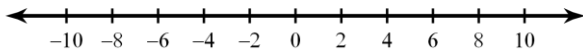


Absolute Value Inequalities: **Your Turn**

Solve the following absolute value inequalities and graph the solution sets.

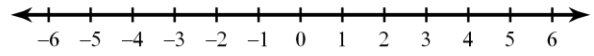
1.

$$|3a| \geq 24$$



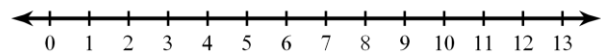
2.

$$10 \left| \frac{n}{10} \right| < 3$$



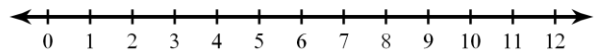
3.

$$\frac{|-6 + k|}{2} < 2$$



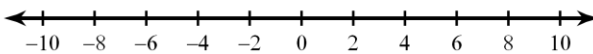
4.

$$|6 - x| - 8 > -7$$



5.

$$|8 - 8x| - 9 < 55$$



6.

$$1 - 9|4r + 6| \geq -17$$

