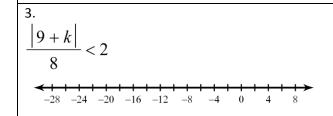
Learning Target: I can solve absolute value inequalities in one variable and graph the solution set on a number line.

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

2. 
$$|6+x|+6 \le 12$$



$$\begin{vmatrix} 6+a & +10 > 17 \\ \hline -16 & -14 & -12 & -10 & -8 & -6 & -4 & -2 & 0 & 2 & 4 \end{vmatrix}$$

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

 $\begin{vmatrix} 1. \\ |3a| \ge 24 \\ \hline \leftarrow -10 & -8 & -6 & -4 & -2 & 0 & 2 & 4 & 6 & 8 & 10 \end{vmatrix}$ 

2.  $10 \left| \frac{n}{10} \right| < 3$ 

3.  $\frac{\left|-6+k\right|}{2} < 2$   $\frac{4+1}{0} + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \frac{1}{5} + \frac{1}{6} + \frac{1}{7} + \frac{1}{8} + \frac{1}{9} + \frac{1}{10} + \frac{1}{12} + \frac{1}{13}$ 

 $\begin{vmatrix} 4. \\ |6-x| - 8 > -7 \\ \hline & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 \end{vmatrix}$ 

5. |8 - 8x| - 9 < 55