

$$4d) |x| > -7$$

Recall: $y = |x|$ represents the distance y from the origin of a coordinate x on the real number line.

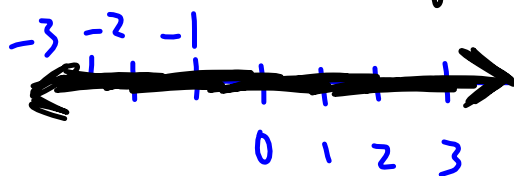
Notice: any $\{x \in \mathbb{R}\}$ makes this inequality TRUE.

i.e.

$$\begin{array}{ccc} | -2 | & \text{and} & | 0 | & \text{and} & | 2 | \\ = 2 & & = 0 & & = 2 \\ \text{and } 2 > -7 & & \text{and } 0 > -7 & & \text{and } 2 > -7 \end{array}$$

Thus, solution is $\{x \in \mathbb{R}\}$.

Note, also, that the same solution exists even if the original inequality is $|x| >$



any negative #.