

1.2 Absolute Value

- Recall: $f(x) = |x|$ is the absolute value function. On a number line, this function describes the distance, $f(x)$, of any number x from the origin.

1. Evaluate:

a. $|-37| =$

b. $-|-25| =$

c. $-\frac{5}{|35|} =$

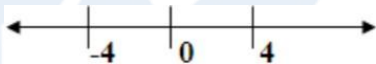
2. Express in absolute value notation:

a. $x > 5$ or $x < -5$

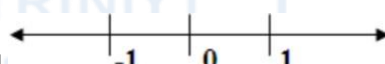
b. $-5 < x < 5$

3. Graph on a number line:

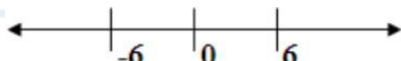
a. $|x| \leq 4$



c. $|x| \geq -1$



b. $|x| > 6$



4. Express the number line in absolute value notation:

