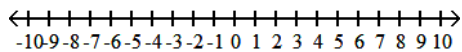


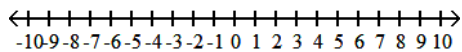
Express the interval in set-builder notation and graph the interval on a number line.

1)  $(-5, 3]$

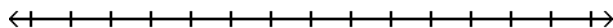


Solve the linear inequality. Other than  $\emptyset$ , use interval notation to express the solution set and graph the solution set on a number line.

2)  $2x + 8 < 16$

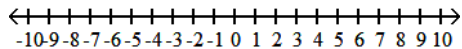


3)  $8x - 4 \geq 7x - 8$

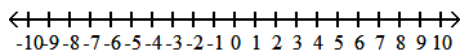


Solve the absolute value inequality. Other than  $\emptyset$ , use interval notation to express the solution set and graph the solution set on a number line.

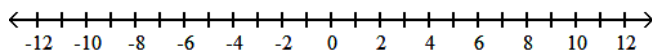
4)  $|x| > 5$



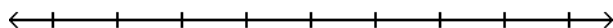
5)  $|x| < 2$



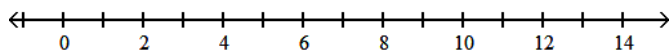
6)  $|x - 2| \geq 0$



7)  $|x + 3| + 6 \leq 10$



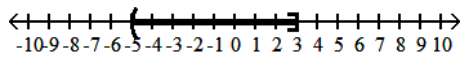
8)  $|4x - 6| + 1 > -8$



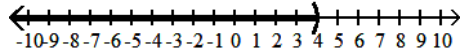
Answer Key

Testname: PRACTICE02

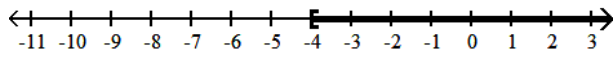
1)  $\{x \mid -5 < x \leq 3\}$



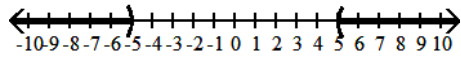
2)  $(-\infty, 4)$



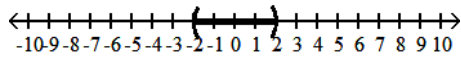
3)  $[-4, \infty)$



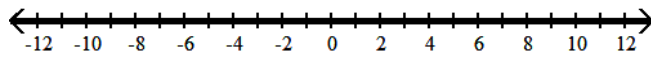
4)  $(-\infty, -5) \cup (5, \infty)$



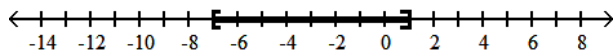
5)  $(-2, 2)$



6)  $(-\infty, \infty)$



7)  $[-7, 1]$



8)  $(-\infty, \infty)$

