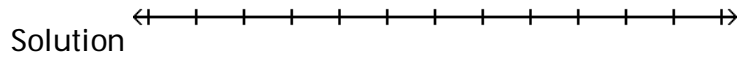


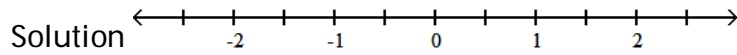
Name(s) _____

Solve the compound inequality. Graph the solution set.

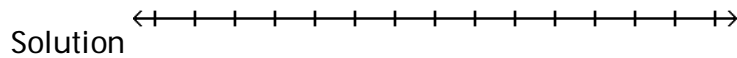
1) $x \leq -2$ and $x \geq -3$



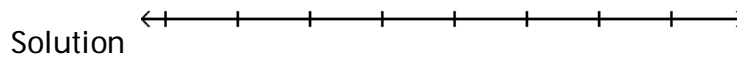
2) $-\frac{1}{3} \leq \frac{4x - 1}{9} < \frac{1}{3}$



3) $x < 3$ or $x < 8$



4) $6x - 4 < 2x$ or $-3x \leq -9$



Solve the absolute value equation.

$$5) \quad |x + 8| = 2$$

$$6) \quad |x| - 3 = 6$$

$$7) \quad \left| \frac{4x + 12}{3} \right| = 4$$

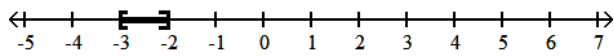
$$8) \quad |3x - 2| = |x - 7|$$

$$9) \quad |6x + 7| + 5 = 2$$

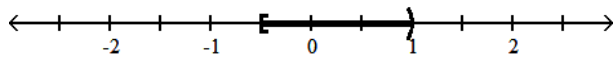
Answer Key

Testname: FRCC_9.1_9.2_WKS

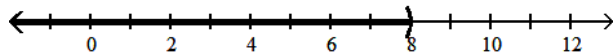
1) $[-3, -2]$



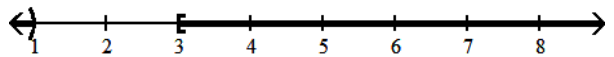
2) $\left[-\frac{1}{2}, 1\right)$



3) $(-\infty, 8)$



4) $(-\infty, 1) \cup [3, \infty)$



5) $-10, -6$

6) $-9, 9$

7) $-6, 0$

8) $-\frac{5}{2}, \frac{9}{4}$

9) \emptyset