

Inequalities Worksheet

1 a. Solve the inequality $x > -7$ in the set $\{0, -4, 3, 10, -11, 12\}$.

2 a. Solve the inequality $x < -10$ in the set $\{-11, -6, 2, 11, 10, 9\}$.

3 a. Solve the inequality $x - 10 \geq 5$ in the set $\{9, -11, 0, 7, -5, 4, -8, -10, -6\}$.

4 a. Solve the inequality $x + 5 \leq 11$ in the set $\{11, 5, -11, 2, -7, -8\}$.

5 a. Solve the inequality $x - 3 \leq -12$ in the set $\{12, 2, -12, -9, -10, -5, 9\}$.

Name: _____ Date: _____

Answer Key

1 a. $\{-4, 0, 3, 10, 12\}$

2 a. $\{-11\}$

3 a. $\{\}$

4 a. $\{-11, -8, -7, 2, 5\}$

5 a. $\{-12, -10, -9\}$