# Inequalities Worksheet

**1 a.** Solve the inequality $x > 5$ in the set {7, 2, -9, -6, 12, -12, -10}.

**2 a.** Solve the inequality $x + (-1) < 2$ in the set {-11, -1, 11, -2, -8, -12}.

**3 a.** Solve the inequality $x \le -4$ in the set {9, -4, 10, -6, -3, 11}.

**4 a.** Solve the inequality $x < 10$ in the set {-2, -10, -9, 6, -1, -11, 1}.

**5 a.** Solve the inequality $x > 0$ in the set {11, -1, -6, 7, 3, 2}.

# Answer Key

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|---|---|
| **1 a.** | {7, 12} |
| **2 a.** | {-12, -11, -8, -2, -1} |
| **3 a.** | {-6, -4} |
| **4 a.** | {-11, -10, -9, -2, -1, 1, 6} |
| **5 a.** | {2, 3, 7, 11} |