



Name: _____

Date: _____

Graph each inequality on a number line.

Solve for x. Show your work.

1. $x \leq -2$ or $x > 3$

2. $0 < x < 6$

3. $2 \leq x \leq 10$

4. $x \leq -1$ or $x > 2$

5. $x < -2$ or $x > 6$

6. $x \leq 0$ or $x \geq 3$

7. $x \leq 0$ or $x > 5$

8. $-2 \leq x < 2$



Graph each inequality on a number line. – Answer Key

1. $x \leq -2$ or $x > 3$

closed circle at -2 (arrow left), open circle at 3 (arrow right)

2. $0 < x < 6$

open circle at 0, open circle at 6, line between

3. $2 \leq x \leq 10$

closed circle at 2, closed circle at 10, line between

4. $x \leq -1$ or $x > 2$

closed circle at -1 (arrow left), open circle at 2 (arrow right)

5. $x < -2$ or $x > 6$

open circle at -2 (arrow left), open circle at 6 (arrow right)

6. $x \leq 0$ or $x \geq 3$

closed circle at 0 (arrow left), closed circle at 3 (arrow right)

7. $x \leq 0$ or $x > 5$

closed circle at 0 (arrow left), open circle at 5 (arrow right)

8. $-2 \leq x < 2$

closed circle at -2, open circle at 2, line between