



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