

## Inequality Symbol

Name \_\_\_\_\_

Period \_\_\_\_\_

Determine if each statement below is true or false.

1.  $2 < 3$

2.  $-8 > -11$

3.  $-1 > 11$

4.  $23 < -76$

5.  $-2 < -3$

6.  $8 > 11$

7.  $1 > -11$

8.  $-23 < 76$

Find the proper inequality to fill in the  $\square$ 9. Given that  $a < b$  what inequality makes the following true:  $-a \square -b$ 10. Given that  $-k < -p$  what inequality makes the following true:  $k \square p$ 11. Given that  $-w < v$  what inequality makes the following true:  $w \square -v$ 12. Finish the statement so it would be the same as  $-x < 3$      $x \square -3$ 

Now solve the following equations.

13.  $5x < 15$

14.  $-5x < 15$

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