

# 3-1

## Practice

Form G

### Inequalities and Their Graphs

Write an inequality that represents each verbal expression.

1.  $v$  is greater 10.

2.  $b$  is less than or equal to  $-1$ .

Determine whether each number is a solution of the given inequality.

3.  $3y + 5 < 20$

a.  $2$  ?

b.  $0$  ?

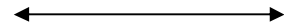
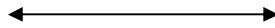
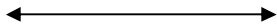
c.  $5$  ?

Graph each inequality.

4.  $y < -2$

5.  $t \geq 4$

6.  $-3 \geq f$



Write an inequality for each graph.



Fill in the correct inequality symbol to match the situation.

9. The school auditorium can seat **at most** 1200 people.

$x$  \_\_\_\_\_ 1200

10. For a certain swim meet, a competitor must swim **faster than** 23 seconds to qualify.

$x$  \_\_\_\_\_ 23

11. For a touch-typing test, a student must type **at least** 65 wpm to receive an "A."

$x$  \_\_\_\_\_ 65