Chapter 3: Inequalities Test Review
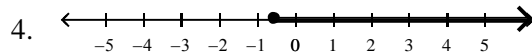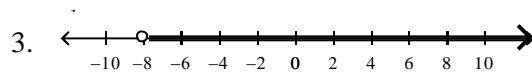- *Review is due on the day of the test.*
- *Review will not be graded unless answers are written on separate paper.*
  In order to be eligible to retest, this review must becomplete, accurate, and turned in.

Graph the inequality.

1. $k > \dfrac{9}{2}$

2. $x \le 5$

Write an inequality for the graph.

3.

4.

Write an inequality to model the situation.

5. Thomas earned \$44 or more.

6. A number exceeds 21.

Solve the inequality. Then graph your solution.

7. $x - 1 \le -9$

Solve the inequality.

8. $m + 10 - 2(m - 16) > 0$

9. $-2(b - 8) \ge 12$

10. Your class hopes to collect at least 325 cans of food for the annual food drive. There were 132 cans donated the first week and 146 more the second week.
    a. Write an inequality that describes this situation. Let c represent the number of cans of food that must be collected by the end of the third week for your class to meet or surpass your goal.
    b. How many cans are needed to meet or surpass your goal?

11. The French club is sponsoring a bake sale. If their goal is to raise at least \$140, how many pastries must they sell at \$3.50 each in order to meet that goal? Write and solve an inequality.