Name Hour

Graphing Linear Inequalities in Two Variables

HW 5.6

In Exercises 1–4, tell whether the ordered pair is a solution of the inequality.

 1.  2. 

 3.  4. 

In Exercises 5–10, tell whether the ordered pair is a solution of the inequality whose graph is shown.

 5.  6.  7. 

 8.  9.  10. 

 11. You have $150 to spend on video games. The inequality represents the number *x* of used video games and the number *y* of new video games that you can purchase. Can you purchase 10 used video games and
3 new video games? Explain.



In Exercises 12–17, graph the inequality in a coordinate plane.

 12.  13.  14. 



15.  16.  17. 

Name Date

Practice B

5.6

In Exercises 1–4, tell whether the ordered pair is a solution of the inequality.

 1.  2. 

 3.  4. 

 5. The inequality represents the number *x* of newspapers and the number *y* of magazines you must sell to earn enough points to earn a special school lunch. You sell four newspapers and six magazines. Do you receive a special school lunch? Explain.

 In Exercises 6–11, graph the inequality in a coordinate plane.

 6.  7.  8. 

 9.  10.  11. 

In Exercises 12 and 13, write an inequality that represents the graph.

**** 12. 13.

 14. Write a linear inequality in two variables that has the following two properties.

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In Exercises 15 and 16, write and graph an inequality whose graph is described by the given information.

 15. The points lie on the boundary line. The points 
and are *not* solutions of the inequality.

 16. The points lie on the boundary line. The points 
and are solutions of the inequality.