

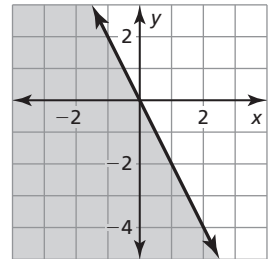
5.6 Practice A

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

1. $x - y > 2$; (5, 4)
2. $x + y \leq -3$; (-1, -4)
3. $5x + y \leq 12$; (2, 2)
4. $x - 3y > 6$; (3, -1)

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

5. (1, 0)
6. (-1, -1)
7. (0, 0)
8. (-3, 1)
9. (2, -4)
10. (0, 3)

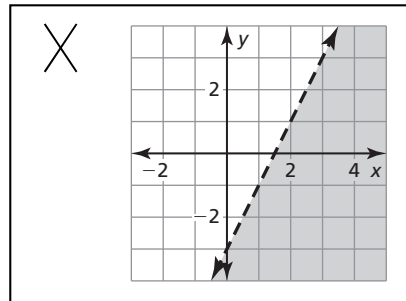


11. You have \$150 to spend on video games. The inequality $7x + 32y \leq 150$ represents the number x of used video games and the number y of new video games that you can purchase. Can you purchase 10 used video games and 3 new video games? Explain.

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

12. $y \geq 2$
13. $x < -3$
14. $y < -1$
15. $y < 2x - 5$
16. $y \geq -x + 3$
17. $-3x + y \leq 1$

18. Describe and correct the error in graphing $y > 2x - 3$.



In Exercises 19 and 20, write an inequality that represents the graph.

