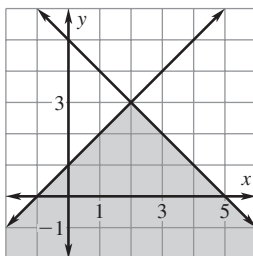


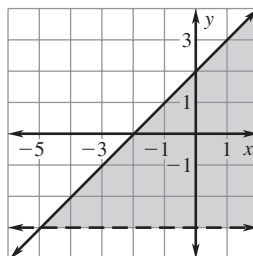
LESSON 7.6 **Practice A**
For use with pages 466–472

Tell whether the ordered pair is a solution of the system of inequalities.

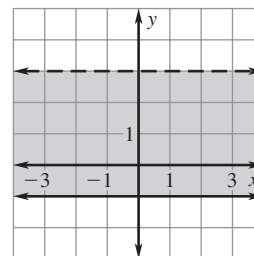
1. (2, 1)



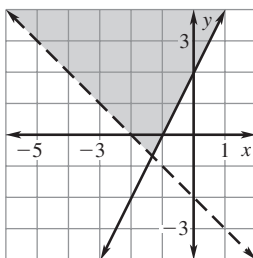
2. (-3, 2)



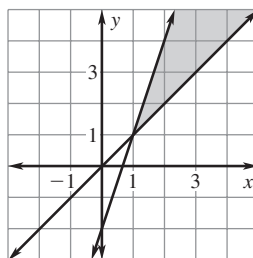
3. (0, -1)



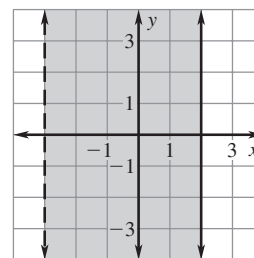
4. (-2, 0)



5. (2, 4)



6. (-2, 3)



Match the system of inequalities with its graph.

7. $x + y \geq 4$
 $x < 2$

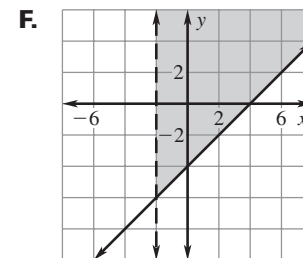
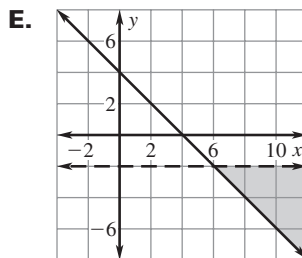
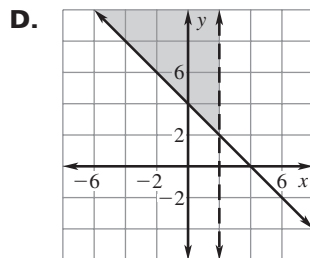
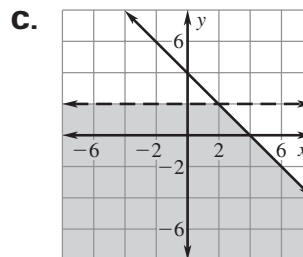
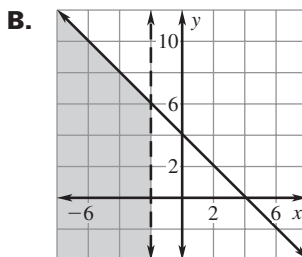
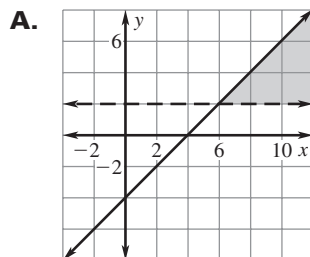
8. $x + y \leq 4$
 $x < -2$

9. $x - y \geq 4$
 $y > 2$

10. $y + x \leq 4$
 $y < 2$

11. $x - y \leq 4$
 $x > -2$

12. $y + x \geq 4$
 $y < -2$

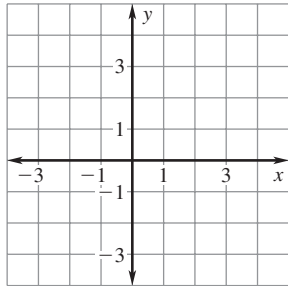


LESSON
7.6
Practice A *continued*
 For use with pages 466–472

Graph the system of inequalities.

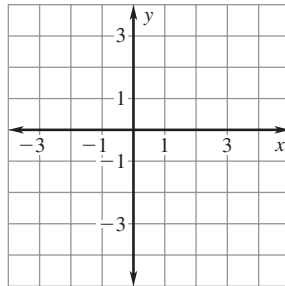
13. $x > -1$

$x < 4$



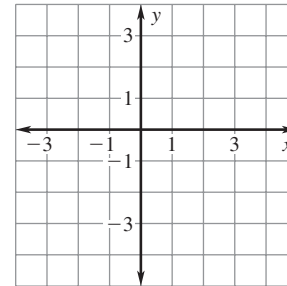
14. $y > -3$

$y \leq 0$



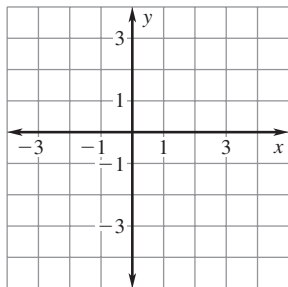
15. $x \geq 2$

$y > 0$



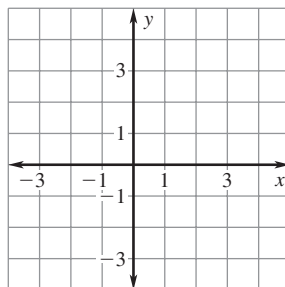
16. $x < 1$

$y \leq -2$



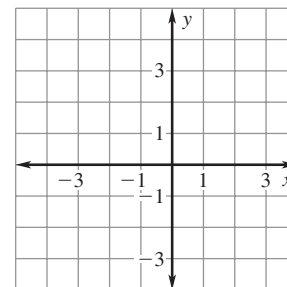
17. $x > 0$

$y \leq x$



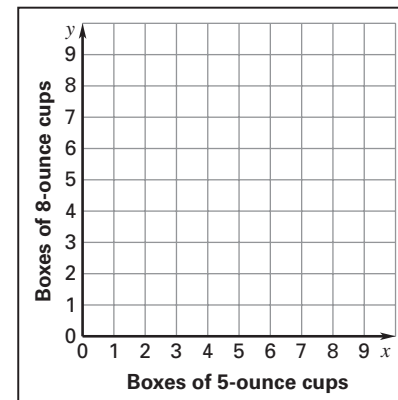
18. $y \leq 3$

$y > -x$



- 19. Ordering Cups** You work at an Italian ice shop during the summer. You need to order 5-ounce and 8-ounce cups. The storage room will only hold 10 more boxes of cups. A box of 5-ounce cups costs \$15 and a box of 8-ounce cups costs \$18. A maximum of \$90 is budgeted for cups.

- Let x represent the number of boxes of 5-ounce cups and let y represent the number of boxes of 8-ounce cups. Write a system of linear inequalities for the number of cups that can be bought.
- Graph the system of inequalities.
- Identify two possible combinations of cups you can buy.



- 20. Studying** You need at least 4 hours to do your science and history homework. It is 1:00 P.M. on Sunday and your friend wants you to go to the movies at 7:00 P.M.
- How much time do you have between now and 7:00 P.M. to do your homework?
 - Let x represent the number of hours spent on science homework and let y represent the number of hours spent on history homework. Write and graph a system of linear inequalities that shows the number of hours you can work on each subject if you go to the movies.

