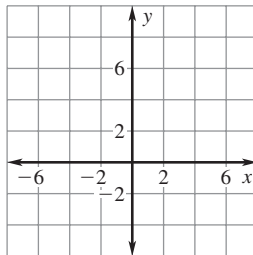


**LESSON**  
**6.7****Practice B**  
*For use with pages 404–412***Tell whether the ordered pair is a solution of the inequality.**

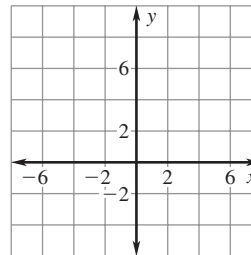
- |                                    |                                  |                                    |
|------------------------------------|----------------------------------|------------------------------------|
| 1. $x + y > -9$ ; $(0, 0)$         | 2. $x - y \geq 8$ ; $(14, 9)$    | 3. $2x - y > 4$ ; $(-6, -15)$      |
| 4. $2x + y > -5$ ; $(-5, 12)$      | 5. $5x + 2y \leq 8$ ; $(-3, 6)$  | 6. $4x - 3y \geq -5$ ; $(6, 8)$    |
| 7. $0.5x + 2.5y \geq 2$ ; $(0, 0)$ | 8. $1.2x - 3.1y < 4$ ; $(3, -1)$ | 9. $0.2y - 0.5x > -1$ ; $(-4, -8)$ |

**Graph the inequality.**

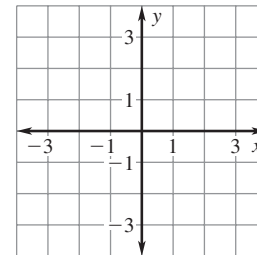
10.  $y - x < 6$



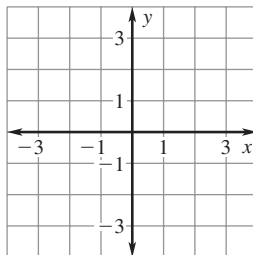
11.  $x - y > -4$



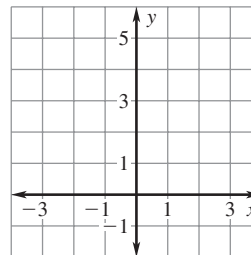
12.  $2y - x < 2$



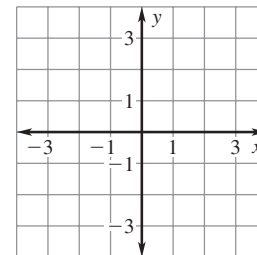
13.  $4y \leq 6x - 2$



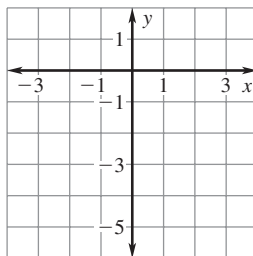
14.  $5y \leq 10x + 15$



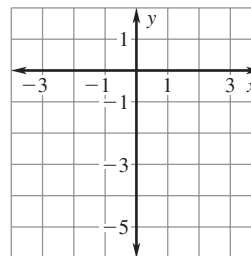
15.  $6y + 3 \geq -18x$



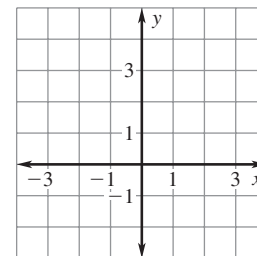
16.  $2(y + 3) < 4x$



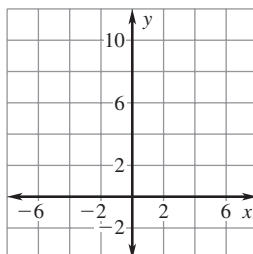
17.  $2y - 3x \geq -8$



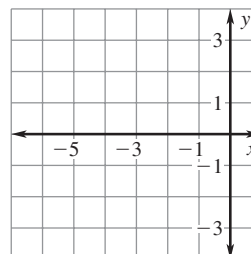
18.  $2(x - y) < -5$



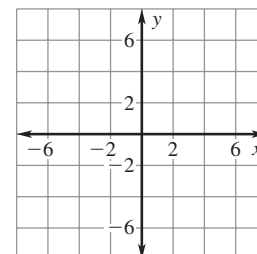
19.  $y > 7$

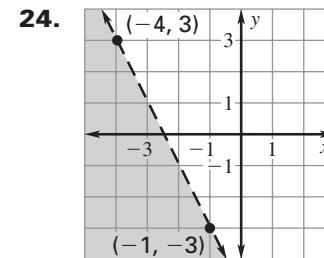
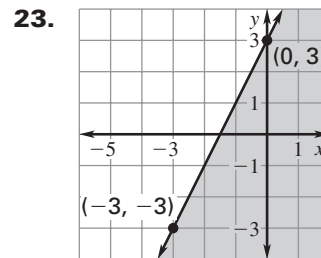
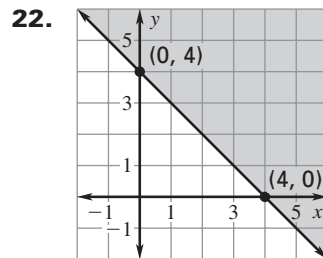


20.  $x \leq -5$



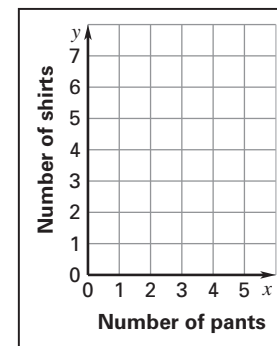
21.  $y < -4$



**LESSON**  
**6.7****Practice B** *continued*  
For use with pages 404–412**Write an inequality of the graph shown.**

25. **Clothes** You are going clothes shopping and can spend at most \$130 on clothes. It costs \$30 for a pair of pants and \$22 for a shirt. Let  $x$  represent the number of pants you can buy. Let  $y$  represent the number of shirts you can buy.

- Write and graph an inequality that describes the different number of shirts and pants you can buy.
- Give three possible combinations of pants and shirts that you can buy.



26. **Window** The area of the window shown is less than 42 square feet. Let  $x$  and  $y$  represent the heights of the triangular and rectangular portions of the window, respectively.
- Write and graph an inequality that describes the different dimensions of the window.
  - Could the height of the triangular portion be 2 feet and the height of the rectangular portion be 8 feet?

