

Challenge Practice

For use with pages 436–441

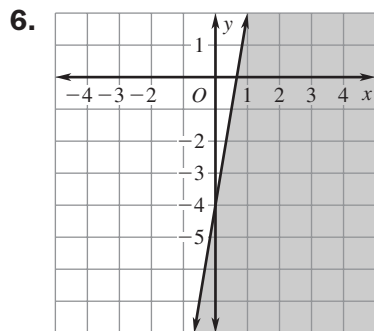
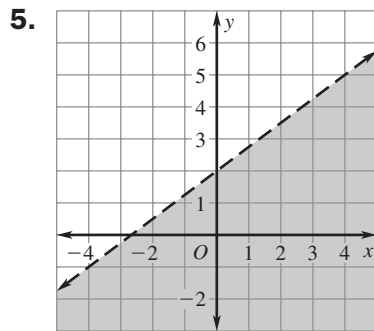
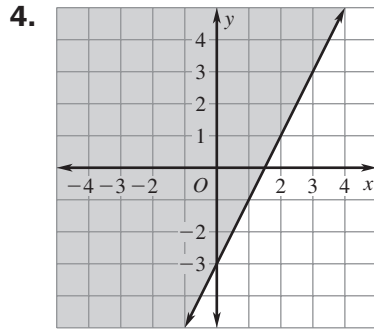
Graph the inequality in a coordinate plane.

1. $5x + 4y \geq 12$

2. $3x - 2y < 5$

3. $6y - 4x > 8$

Write the inequality that is represented by the graph.



7. Write and graph a linear inequality that has (2, 4) as a solution point, but does not have (-1, 5) and (3, -2) as solution points.

Graph the inequalities in the system of linear inequalities in the same coordinate plane. Then find the area of the region enclosed by the inequalities.

8. $x \geq 0$

$y \geq 0$

$y \leq 4 - x$

9. $y \geq 0$

$y \leq x$

$y \leq 6 - x$

10. $x \geq 0$

$y \geq 0$

$y \leq 4$

$x \leq 6$