

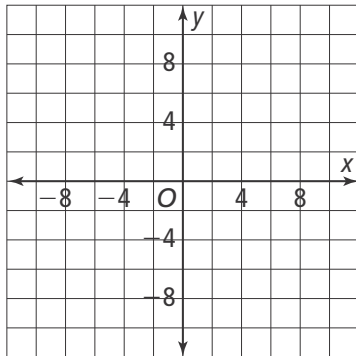


# 4-5 Additional Practice

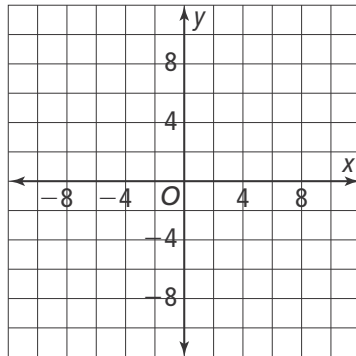
## Systems of Linear Inequalities

Graph each system of inequalities. Shade the solution of each system.

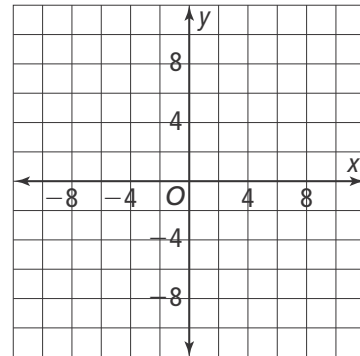
1. 
$$\begin{cases} y \leq 2x - 1 \\ y > -x + 3 \end{cases}$$



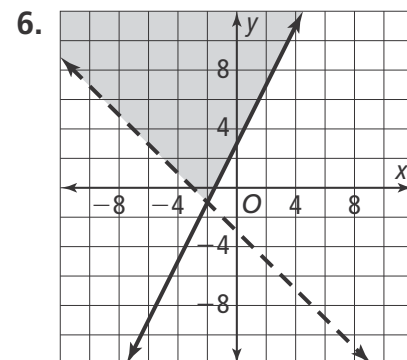
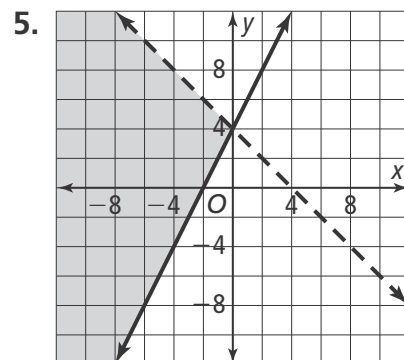
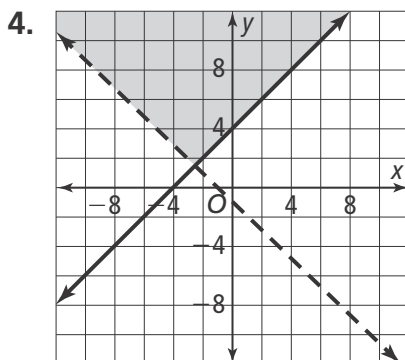
2. 
$$\begin{cases} 3x - 2y < 4 \\ -2x - 6y < -12 \end{cases}$$



3. 
$$\begin{cases} 2x + 2y \geq -6 \\ x + y \leq -1 \end{cases}$$



The solution of what system of inequalities is shown by each graph?



7. How do the solutions of a system of linear equations appear on a graph? Explain.

8. Larissa plans to bake at most 10 loaves of bread. She makes  $x$  loaves of banana bread that sell for \$1.25 each and  $y$  loaves of nut bread that sell for \$1.50 each. She hopes to make at least \$24 in sales. Write and graph a system of inequalities for this situation. What does the graph show?

