

LESSON
6-5 Solving Linear Inequalities

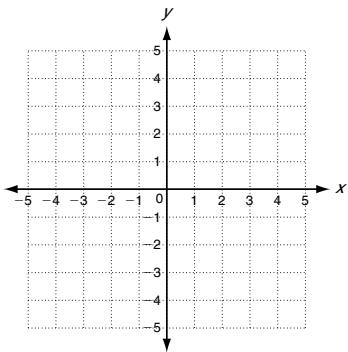
Practice C

Tell whether the ordered pair is a solution of the given inequality.

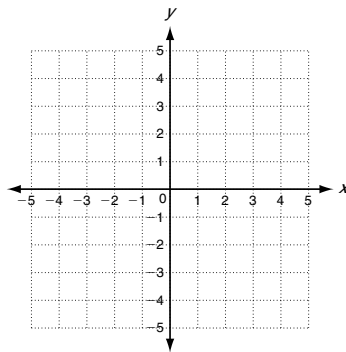
1. $(-1, -4)$; $y \geq 2x - 1$ 2. $(-6, 2)$; $y < -x - 4$ 3. $(4, -8)$; $y \leq \frac{1}{2}x + 5$

Graph the solutions of each linear inequality.

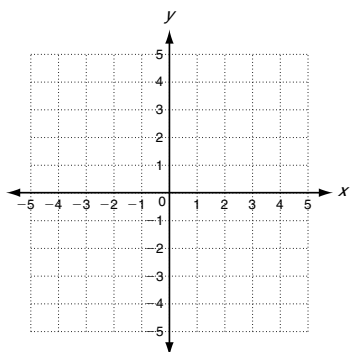
4. $y \leq x + 2$



5. $-3x < y$



6. $2x - y - 4 > 0$

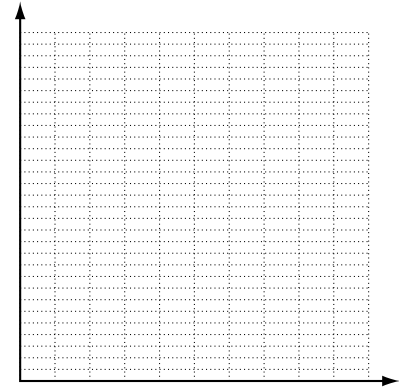


7. Adam is ordering helium balloons for his sister's birthday. He has up to \$15 to spend. Decorative balloons cost \$3.00 each and solid colored balloons cost \$0.50 each.

a. Write an inequality to describe the situation.

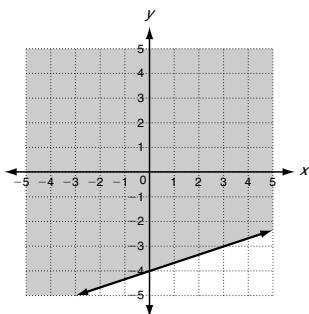
b. Graph the solutions.

c. Give two possible combinations of decorative and solid colored balloons Adam can order.

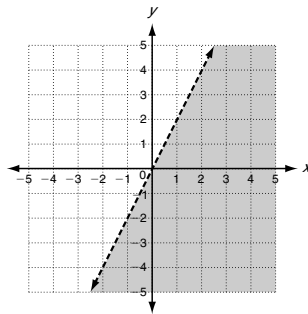


Write an inequality to represent each graph.

8.



9.



10.

