

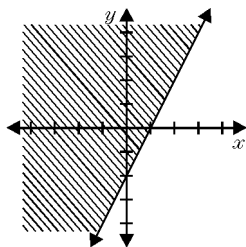
Graphing Linear Inequalities (Unit 5)

Name: _____

Date: _____

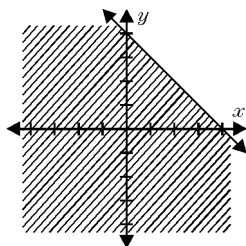
1. Which inequality matches the graph?

- A. $y \leq -2x + 2$
- B. $y \leq 2x - 2$
- C. $y \geq \frac{1}{2}x - 2$
- D. $y \geq 2x - 2$



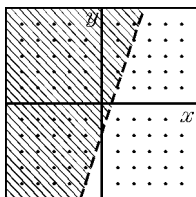
2. Which inequality matches the graph?

- A. $y \leq x + 4$
- B. $y \leq -x + 4$
- C. $y \geq -x + 4$
- D. $y \geq 4x + 4$



3. What is the inequality represented by the graph?

- A. $y > 3x - 2$
- B. $y < 3x - 2$
- C. $y \geq 3x - 2$
- D. $y \leq 3x - 2$



4. Which graph represents the inequality $y \leq 3x - 2$?

- A.
- B.
- C.
- D.

5. Which graph represents $2x - 3y \leq 9$? Explain how you know.

- A.
- B.
- C.
- D.

6. Graph the solution to $y > 3x - 1$.

7. Graph the inequality $y < \frac{1}{2}x + 6$

8. Graph the solution to $4y \geq 8x - 16$.

9. Graph the inequality $4x + 2y > 8$.

10. Draw a graph of $4x - y < 4$.

11. Graph the solution: $x - 3y \geq 6$.

12. A. Graph the inequality $x + 3 < 5$.

B. On the same grid, graph $y \leq x + 5$ and $y \geq -x - 1$.
Shade the area bounded by the three inequalities.

C. Identify three points that are in the solution set
for this system.