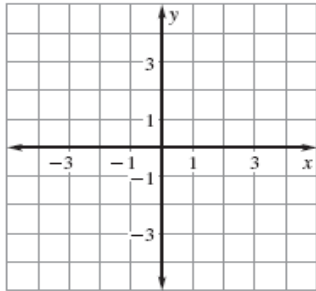


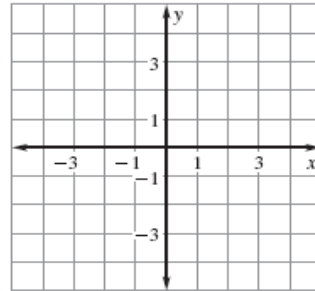
Unit 2: PRACTICE QUIZ #3... Graphing Linear Inequalities

Part 1: Graph the inequality in a coordinate plane.

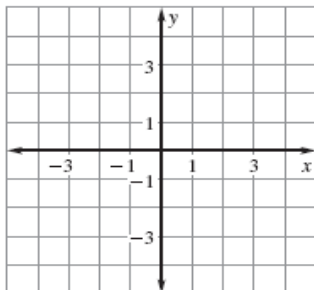
1.) $y > 3$



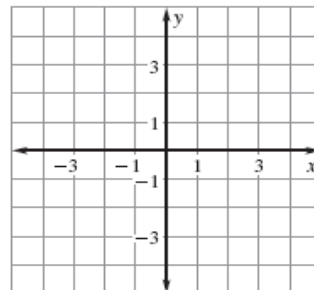
2.) $y \geq -2$



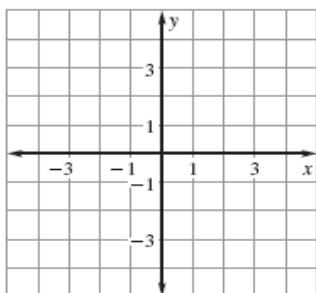
3.) $y \geq 3x$



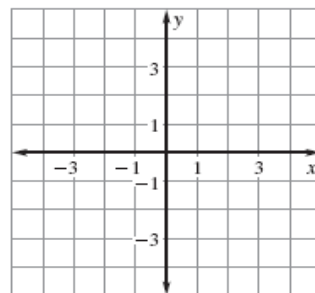
4.) $y \leq \frac{2}{3}x - 5$



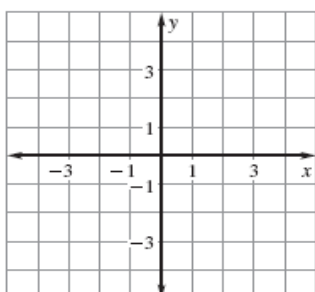
5.) $y > 2x + 1$



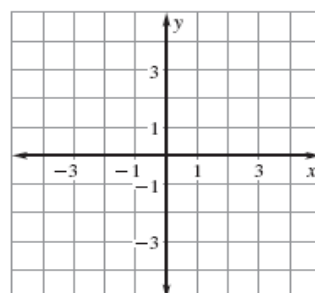
6.) $y < -2x - 1$



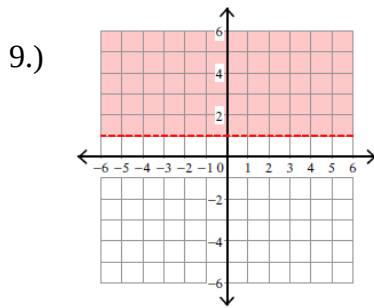
7.) $3x - 3y \leq 3$



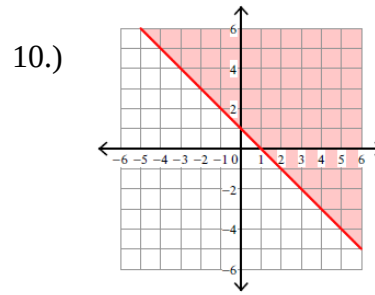
8.) $y - x < 3$



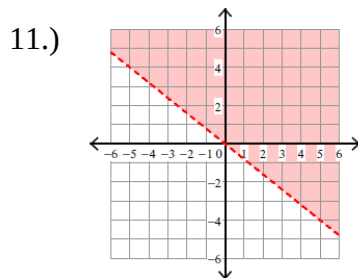
Part 2: Standardized Assessment - choose the inequality that matches the graph.



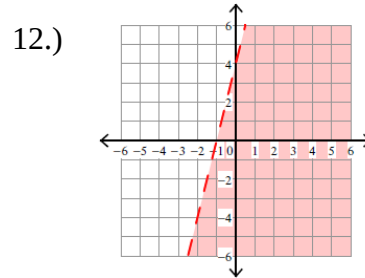
- A.) $y > 1$
- B.) $y < 1$
- C.) $y \geq 1$
- D.) $y \leq 1$



- A.) $y \leq -x + 1$
- B.) $y \geq -x + 1$
- C.) $y \geq x + 1$
- D.) $y \leq x + 1$



- A.) $y > -\frac{4}{5}x$
- B.) $y < -\frac{4}{5}x$
- C.) $y > \frac{4}{5}x$
- D.) $y < \frac{4}{5}x$



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

Part 3: Checking Solutions of Inequalities. State if it is a "SOLUTION" or "NOT A SOLUTION."

_____ 13) Is (2, -1) a solution of $y \geq 2x + 5$?

_____ 14) Is (-9, 0) a solution of $x - 5y \geq -6$?

Part 4: Short answer.

15) What is the purpose of shading an inequality when graphing on a coordinate plane? Explain.