

GRAPHING TWO VARIABLE INEQUALITIES – Day 2

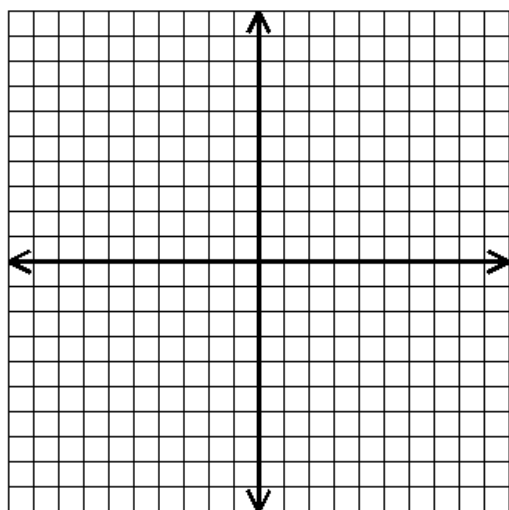
Step 1: Solve for y when necessary

Step 2: Graph the line using a SOLID LINE for \leq or \geq . Graph a DOTTED LINE for $<$ or $>$.

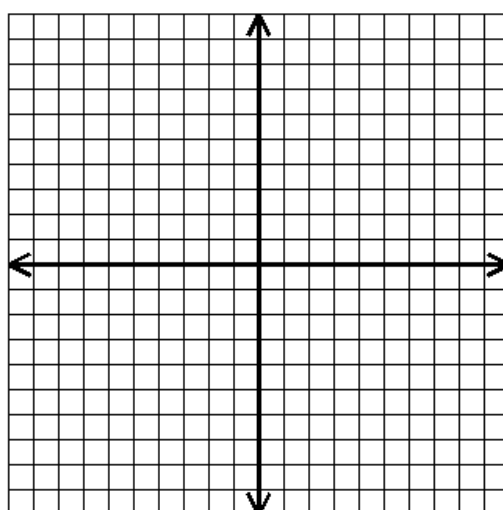
Step 3: Shade BELOW the line if $<$ or \leq . Shade ABOVE the line if $>$ or \geq .

Solve each inequality by graphing.

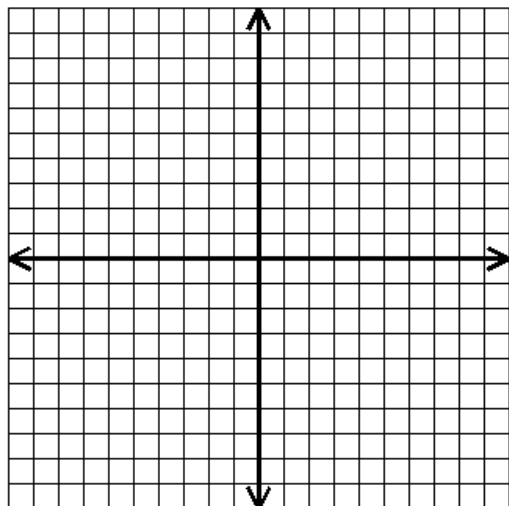
1. $3x + 2y > 6$



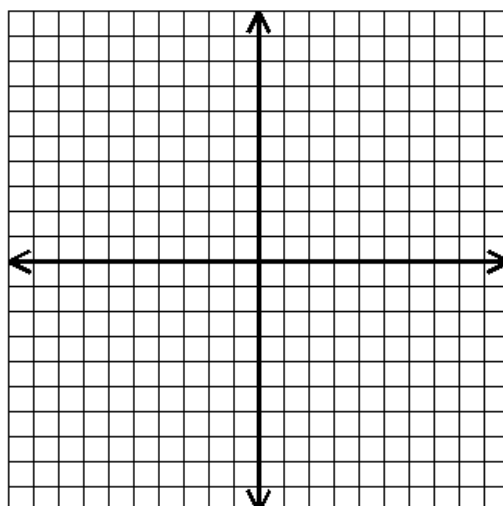
2. $x - 3y \geq -6$



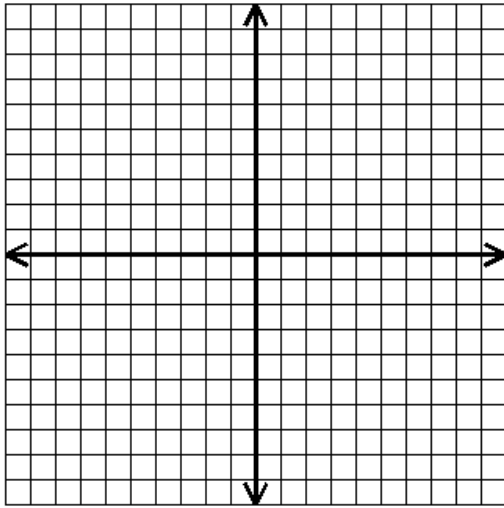
3. $y > 3$



4. $x \leq -4$



5. Which of the following points would be a solution to the inequality $-2 < 3x - y$?



- A. (-2, 0)
- B. (4, 8)
- C. (-6, -2)
- D. (8, 3)
- E. (1, 5)

6. Write an inequality to describe the graph below.

