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Go to <https://www.khanacademy.org/math/algebra/linear-equations-and-inequalitie/graphing-linear-inequalities/v/graphing-linear-inequalities-in-two-variables-example-2>

- a) To draw the first point of the line, what value of  $x$  is chosen?
- b) At that first point, what values of  $y$  will satisfy the inequality?
- c) What is the slope? Why?
- d) What value of  $x$  is the "y intercept"? why?
- e) Why the line is a "dotted line" (- - - - -) ?
- f) If the inequality is  $\leq$  we draw a "solid line". Why do you think we do that?