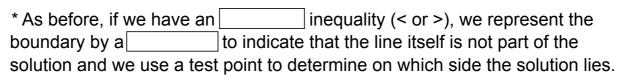
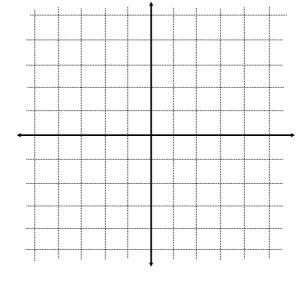
9.3 Quadratic Inequalities in two variables

* A quadratic inequality in two variables describes an area on a cartesian plane either above or below the line... much like a linear inequality in two variables.



ex.
$$y < x^2 - 2x - 3$$

- 1) determine the line type you will use
- 2) graph $y = x^2 2x 3$



3) Test a point: Always (0, 0) if possible

- 4) Conclude by shading the appropriate area.
- * On Ti-83

Your turn pg. 482