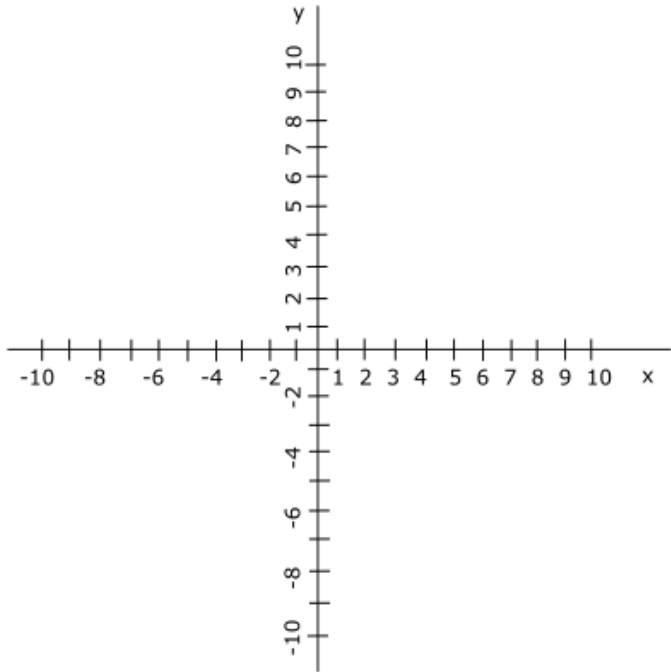# AAU - Business Math I (MTH 111) - Spring 2010

1. Sketch half the plane which is represented by the following inequality:

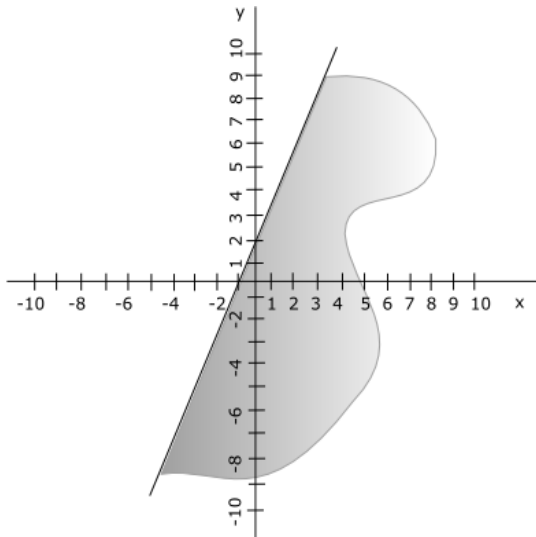**y=-x+2**

First fill in the table below (i.e. find two points on the line); then draw the two points; then connect them with a straight line.
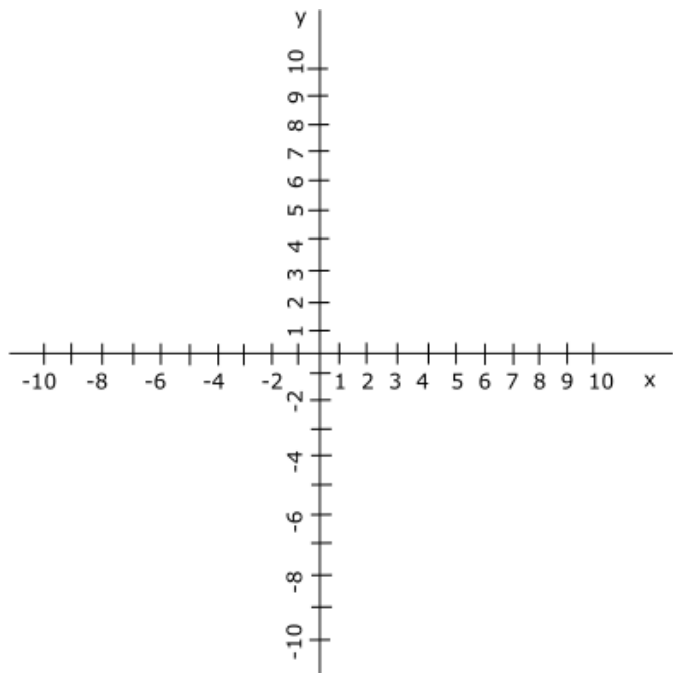
x		
y		

Now decide which half the plane is the solution to this inequality. Above the line, or below the line?

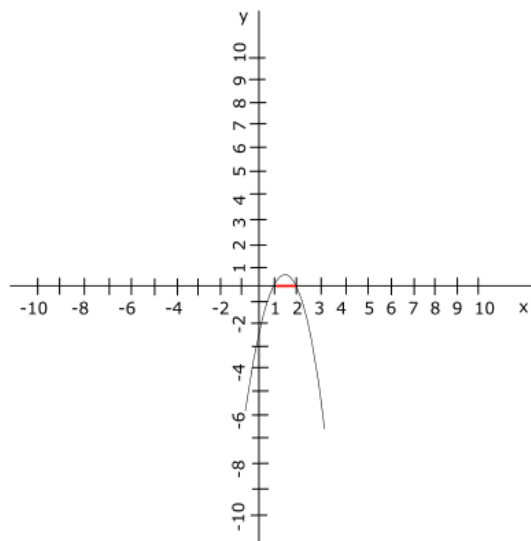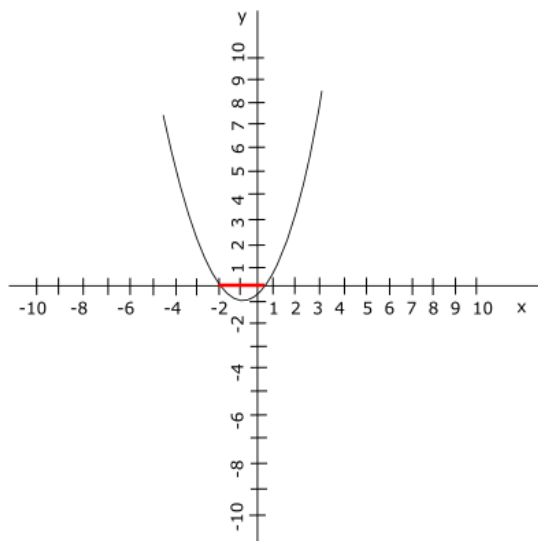**2.** Look at the graph below. Find the corresponding inequality.

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3. Sketch the following quadratic equations:

$x^2 - x - 6 = 0$ and $-x^2 + x + 6 = 0$

4. Look at the graphs below and find the corresponding quadratic inequalities.

5. Look at the graph below and find the corresponding quadratic inequality.