

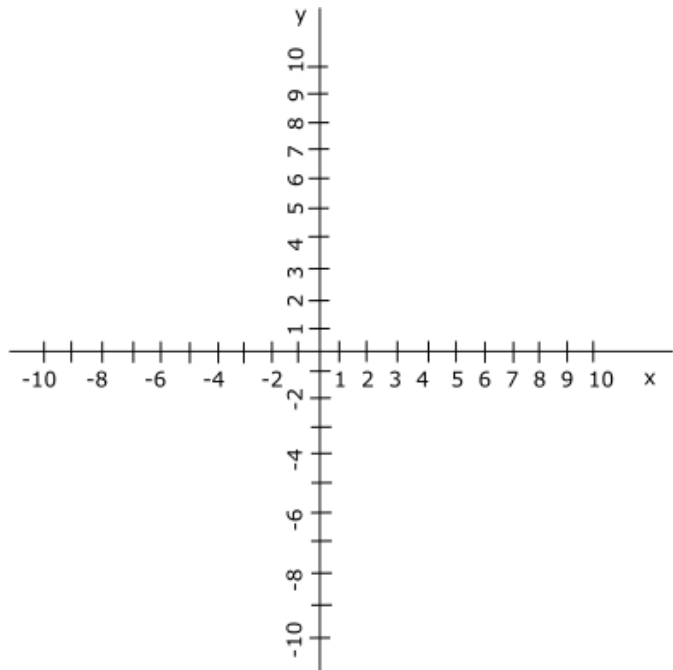
AAU - Business Math I (MTH 111/C) - Spring 2010

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

$$y \leq -x + 2$$

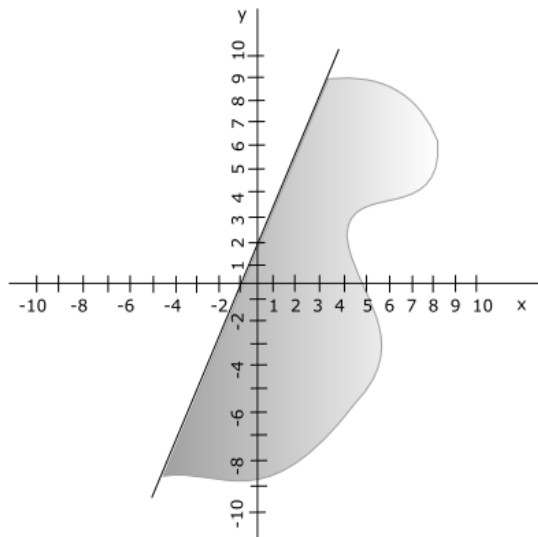
First fill in the table below (i.e. find two points on the line); then draw the two points; then connect them with a straight line.

| | |
|---|--|
| x | |
| y | |



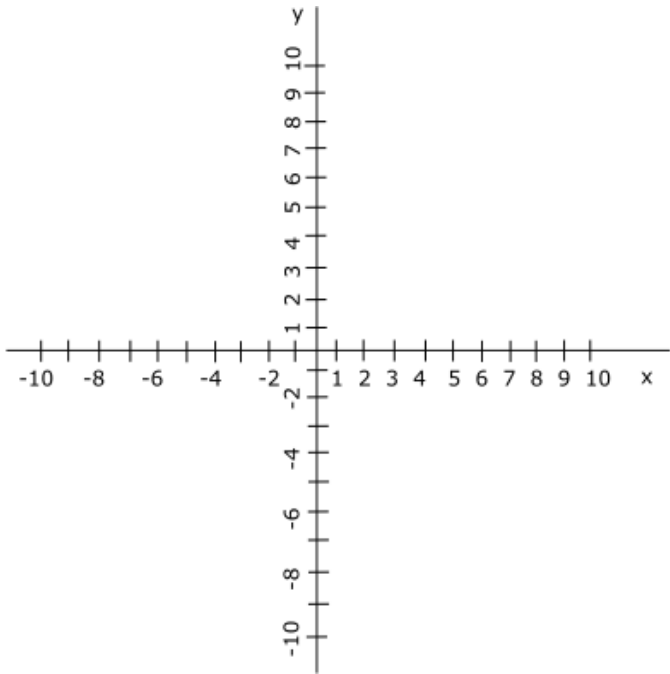
Now decide which half the plane is the solution to this inequality. Above the line, or below the line?

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

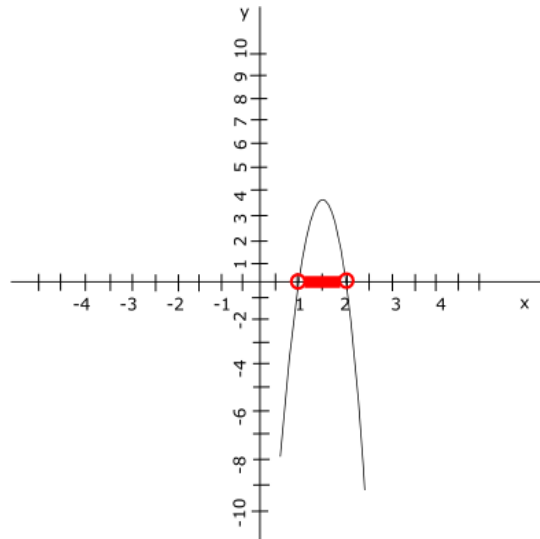
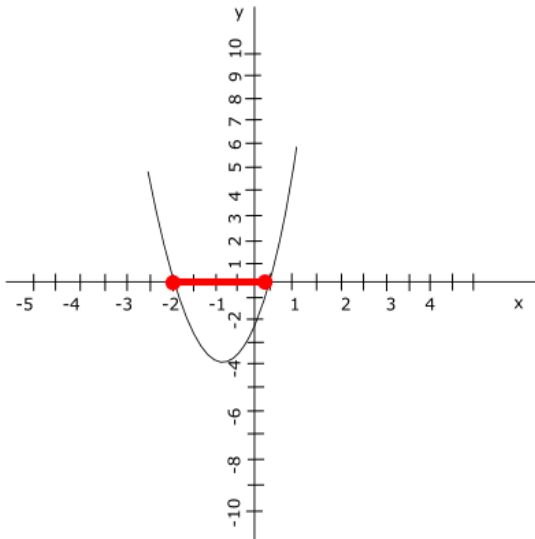


3. Sketch the following quadratic equations:

$$x^2 - x - 6 = 0 \text{ and } -x^2 + x + 6 = 0$$



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



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

