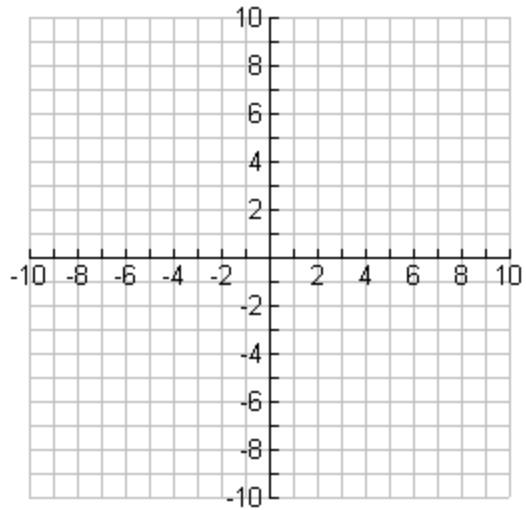


# Inequality Shading Investigation

Name \_\_\_\_\_

Investigate the inequality:



1. Graph the inequality line.

2. List 10 integer coordinates that lie on the grid. Follow the directions for choosing points indicated in the top of the table. In the space provided next to each point, indicate **T** or **F** as to whether that point makes the inequality true.

4 points on one side of the line		4 points on the other side of the line		2 points ON the line	
1.		1.		1.	
2.		2.		2.	
3.		3.			
4.		4.			

3. What information regarding your graph is gained by knowing if the points that lie ON the line make the inequality true?

4. Based upon your findings from the chart above, shade the graph to indicate where the answers to the inequality lie. Make any adjustments, if needed, to the manner in which your line was drawn.