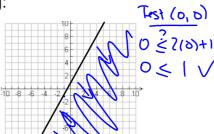
## **Graphing Linear Inequalities**

Here we will be graphing a region called a half plane. The region shaded will be determined by the inequality that is given.

Symbol:	Shaded Region:	Meaning:
• <		Less than
• ≤		Less than or
		equal to
• >		Greater than
• >	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Greater than
<b>–</b>	✓ \¬	or equal to

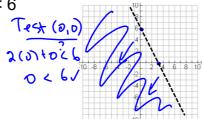
Graph the following:

X	У
-1	-1
0	ı
1	3

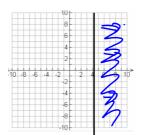


2) 2x + y < 6

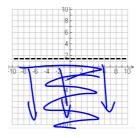




3) x ≥ 4



4) y < 2



## **Special Case:**

When y is Negative shade the opposite side!

