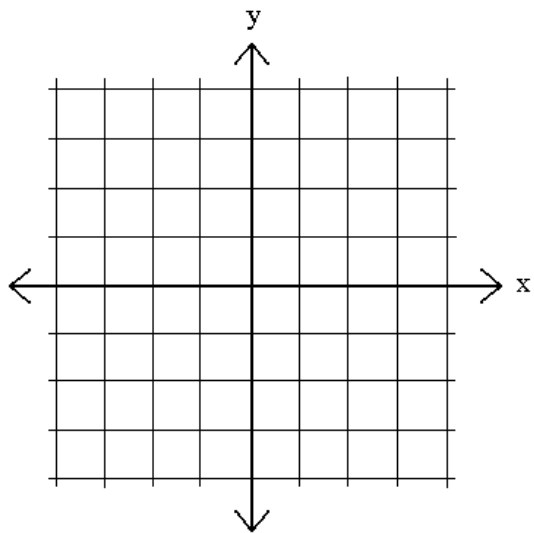MATH 120 Section 5.1

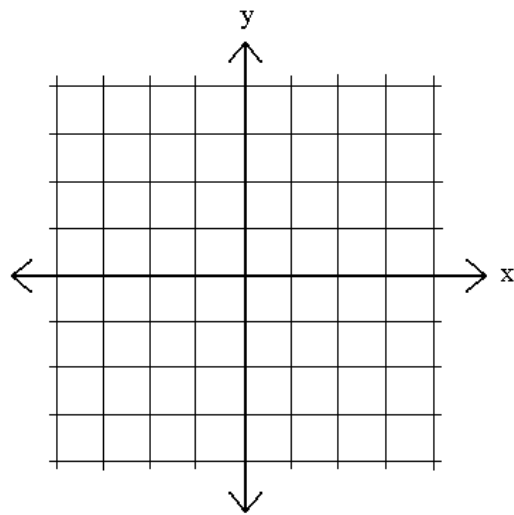## 5.1 Linear Inequalities in Two Variables
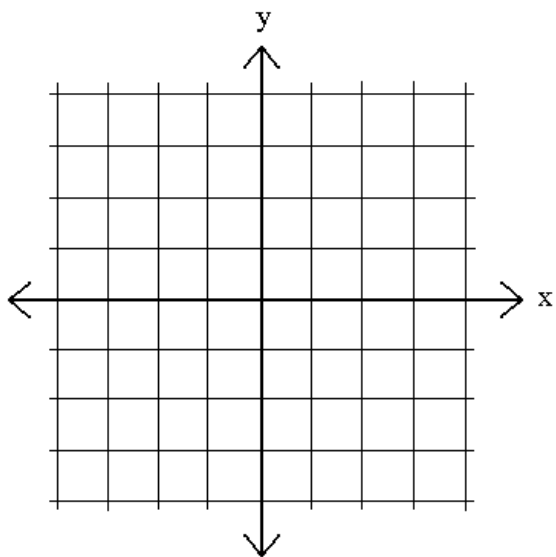
Graph the following equations:

1) $y = 2x + 1$
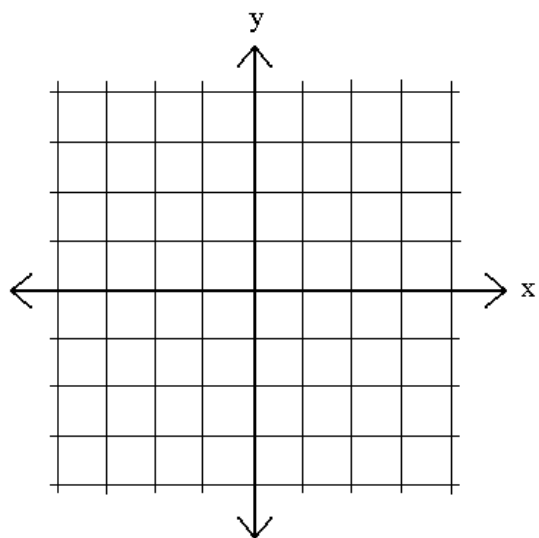

2) $2x + 3y = 6$

3) $x = 2$
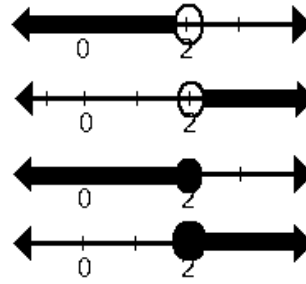

4) $y = -2$

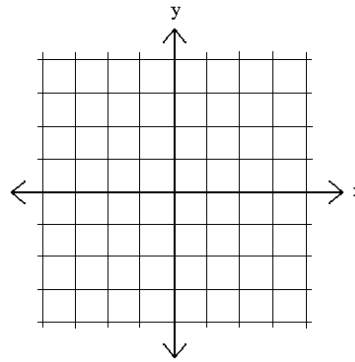Inequalities   Recall graphing inequalities on the number line

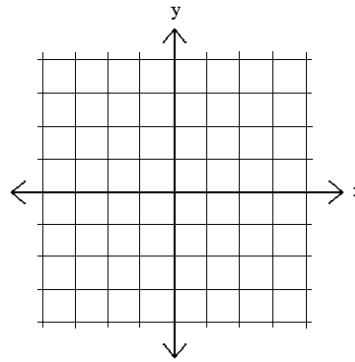| less than	<	open	x < 2
greater than	>	open	x > 2
less than or equal	≤	closed	x ≤ 2
greater than or equal to	≥	closed	x ≥ 2

Graph the inequalities

5) $y < 2x + 1$

6) $2x + 3y \geq 6$

7) $x > 2$