NAME: (print!) __WANG LIYI   GE__

2. Draw the line in the xy plane joining $(2,3)$ and $(3,2)$. What is its equation?

$$y = -x + 5.$$
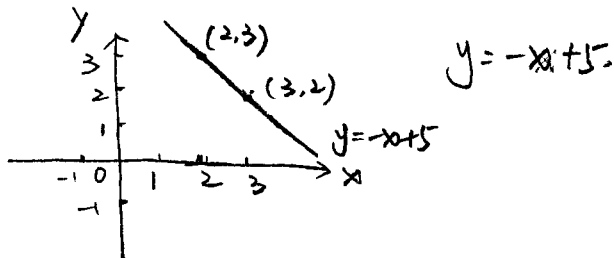
3. Sketch the region in the xy plane given by $\{(x,y) \mid 2x + 3y \leq 6, x \geq 0, y \geq 0\}$.
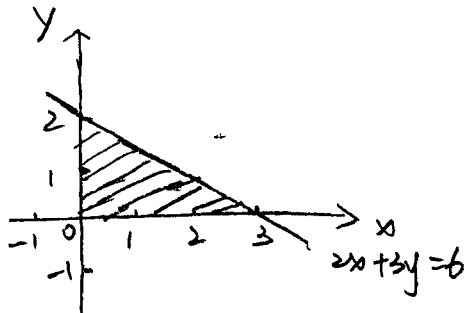
4. Sketch the region in the xy plane given by $\{(x,y) \mid 2x + 3y \leq 6, 3x + 2y \geq 6, x \geq 0, y \geq 0\}$.