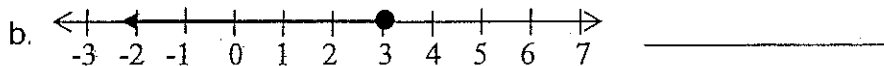
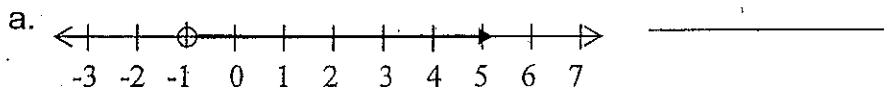


**APPLIED MATH 11**  
**CHAPTER 4 TEST - SYSTEMS OF LINEAR INEQUALITIES**

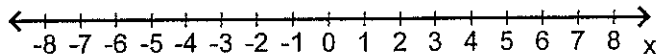
NAME: \_\_\_\_\_

1. Write an inequality that is represented by each graph:

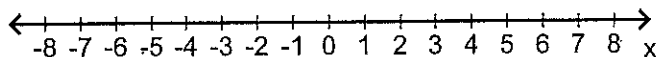


2. Graph each inequality:

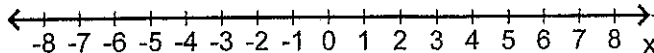
a.  $x \leq 5$



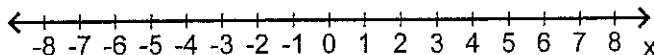
b.  $x > -3$



c.  $2x + 11 < 5$

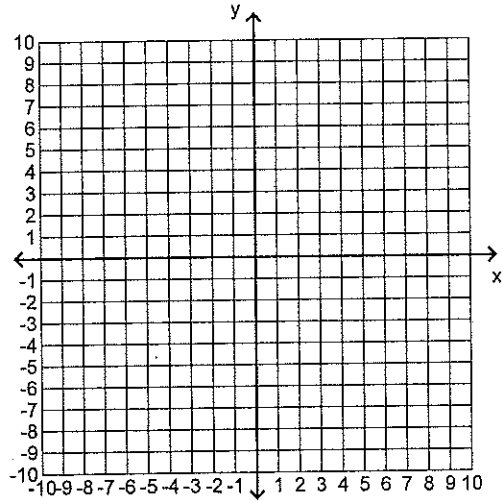


d.  $2x + 5 > 3x - 1$

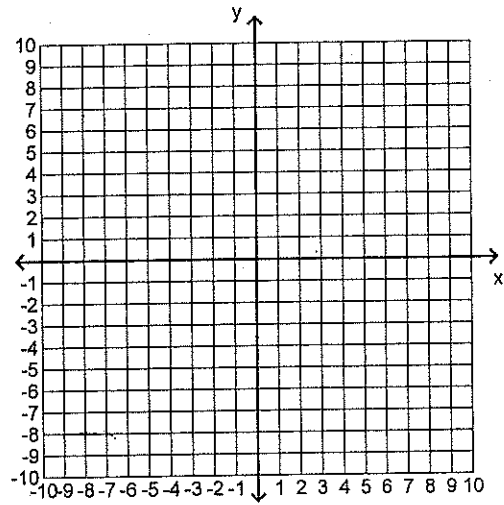


3. Graph (and shade) each inequality on a coordinate grid.

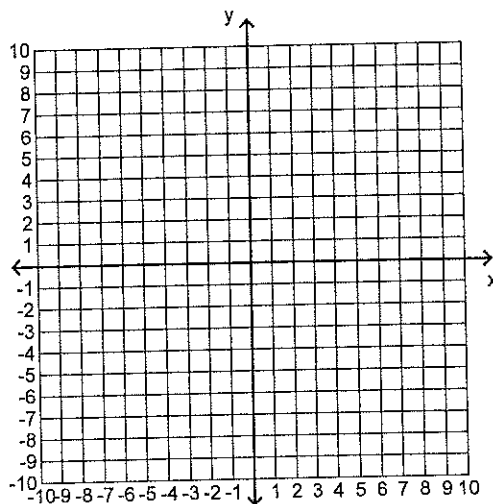
a.  $x \leq -3$



b.  $y > 2$



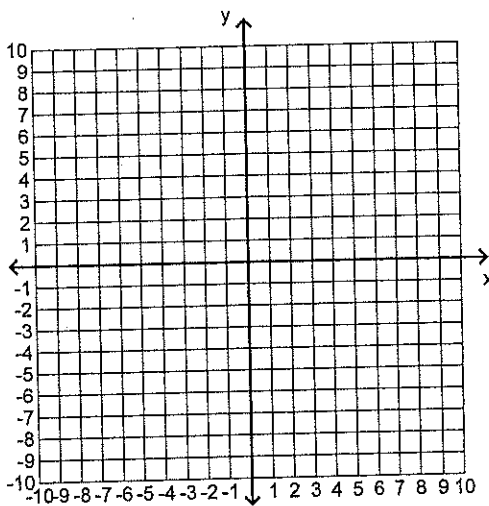
c.  $y > 3x + 4$



4. Solve each system of inequalities by graphing and shading.

a.  $y \leq -\frac{2}{3}x + 3$

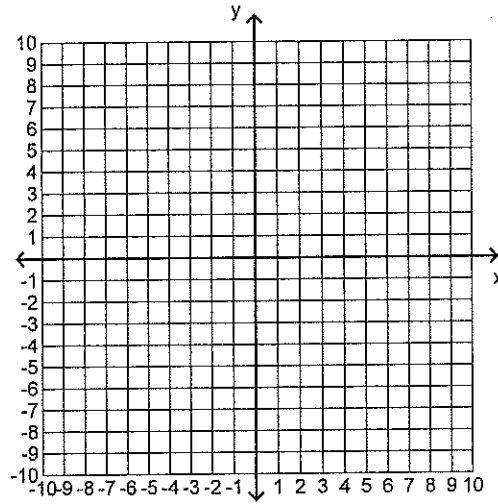
$y > 3x - 4$



$$x \geq 0$$

b.  $y \geq 0$

$$y \leq x + 1$$



$$y + 2x \leq 4$$

c.  $y \geq x - 2$

$$x \geq 0$$

$$y \geq 0$$

