Algebra 1 Ch. 6 review Quiz today 6.5- 6.6 Test Tues. Ch. 6

## **Example 6**

Solve the system of inequalities by graphing.

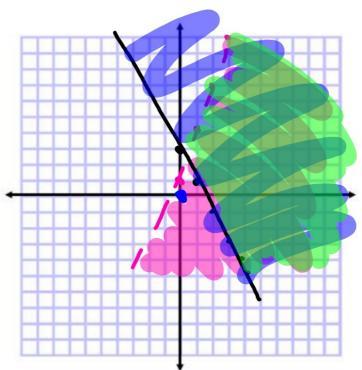
$$y = \frac{3x+1}{y \ge -2x+3}$$

$$y = \frac{3}{3}x+1$$

$$y = \frac{3}{3}x+1$$

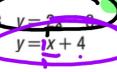
$$0 \ge 0+3$$

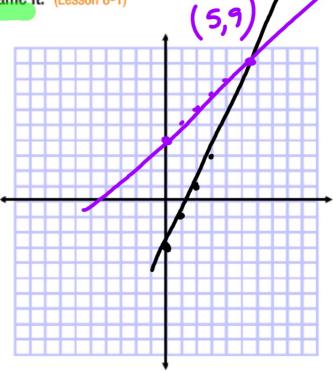
$$y = \frac{3}{3}x+1$$



Graph each system and determine the number of solutions

that it has If it has one solution, name it. (Lesson 6-1)





Use substitution to solve each system of equations.

10. 
$$y = -2x - 3$$
  
 $2x + y = 16$   
 $3x + 4 = 16$ 

Use elimination to solve each system of equations. (5 (Lessons 6-3 and 6-4)

**16.** 
$$x + y = 9$$
  $x - y = -3$ 

## **Example 5**

Determine the best method to solve the system of equations. Then solve the system.