

Name: \_\_\_\_\_

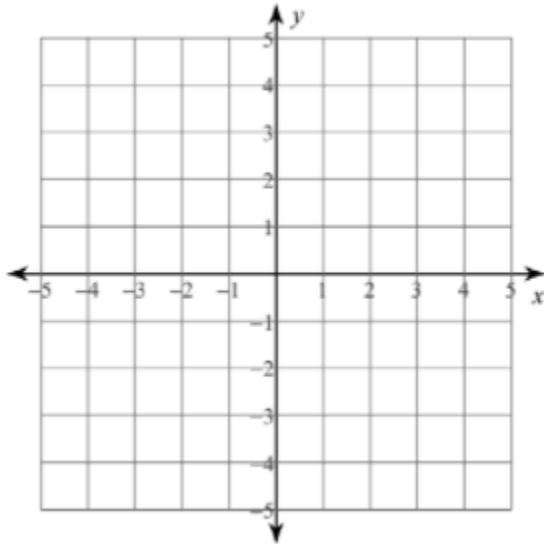
Algebra 1

Unit 6 **Practice** Exam: Systems of Equations and Inequalities

\_\_\_\_ I can solve a system of equations by graphing.

Graph each line and identify the solution to the system.

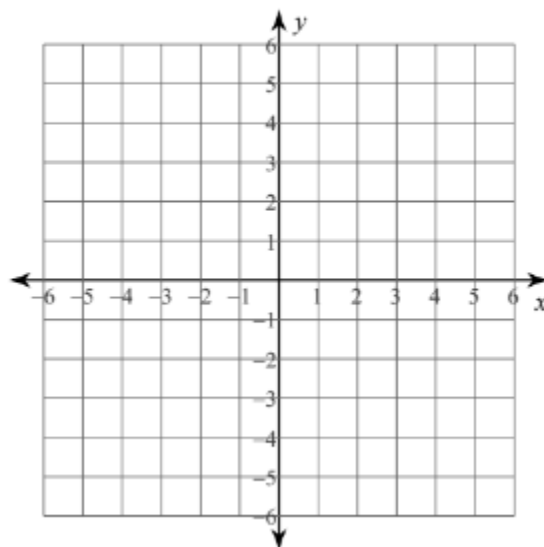
1)  $y = \frac{1}{3}x - 3$  and  $y = -x + 1$



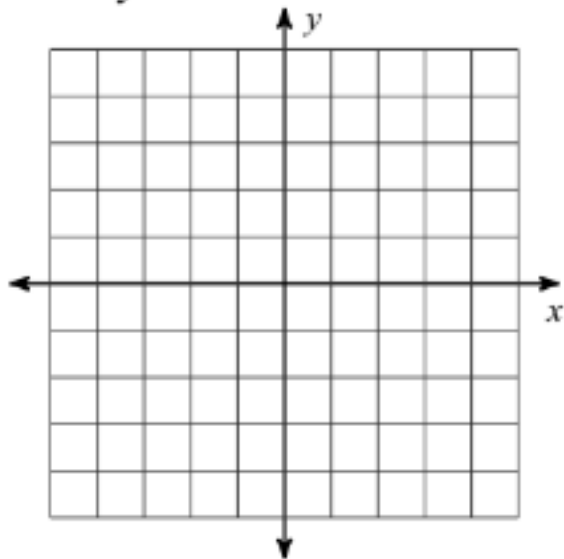
\_\_\_\_ I can rewrite linear inequalities in slope-intercept form.

Rewrite each inequality below in slope-intercept form, then graph it.

$$3x - 2y < 10$$



$$x + 5y < -5$$



\_\_\_\_ I can solve a system of linear inequalities by graphing.

Graph both inequalities and shade the solution.

4)  $y \leq \frac{1}{2}x + 2$  and  $y < -2x - 3$

5)  $4x + y < 2$  and  $y > -2$

