

Name: _____

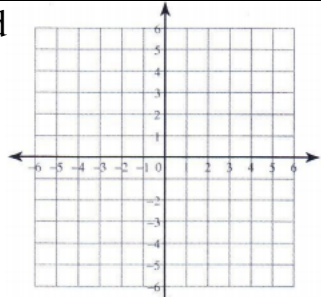
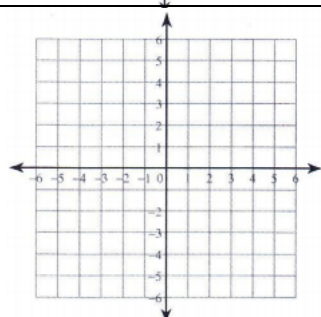
Algebra I

Solving Systems of Equations by GRAPHING Scavenger Hunt

Directions: Walk around the room and complete each problem. Remember to show your work in the space below. Your answer should match up with a corresponding letter that will reveal the answer to the riddle by the end of the activity.

What Do Gorillas Sleep On In Fruit Orchards?

#3 #8 #5 #2 #7 #6 #1 #4

1. *use graphing calculator*	5. *use graphing calculator*
2. *show work to get into slope-intercept form*	6. *use graphing calculator*
3. *use graphing calculator*	7. do work by hand 
4. *show work to get into slope-intercept form*	8. do work by hand 

(#1)

$$y = -2x + 2$$

$$y = \frac{1}{3}x - 5$$

A

B

T

(1, 5)

(-4, 3)

(3, -4)

(#2)

$$y = 3$$

$$-3x + 2y = 6$$

I

G

E

(0, 3)

(3, 0)

(3, -3)

(#3)

$$y = \frac{7}{3}x + 5$$

$$x = -3$$

D

A

B

(-2, -3) (-3, -2) (3, 2)

(#4)

$$y = -3x - 3$$

$$y - 4x = 4$$

T

M

S

(1, 0) (0, -1) (-1, 0)

(#5)

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

$$y = 2$$

R

E

Y

(-2, 2) (2, 2) (-2, -2)

(#6)

$$y = \frac{1}{4}x + \frac{1}{2}$$

$$y = -2x - 4$$

T

O

P

(0, -6) (-2, 0) (2, 0)

(#7)

$$y = \frac{5}{2}x - 4$$

$$y = -x + 3$$

S

O

C

(-2, -1) (2, -1) (2, 1)

(#8)

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

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

A

P

E

(-2, 2) (2, -2) (-2, -2)