

# Graphing Systems of Linear and Quadratic Equations NOTES (REI.7)

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

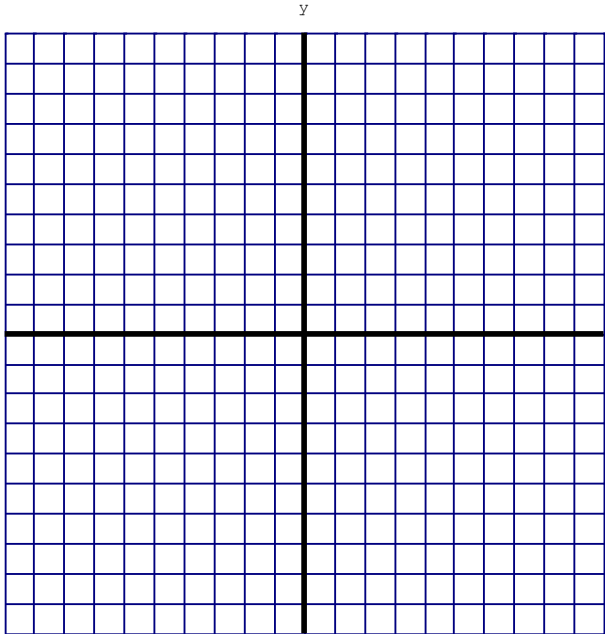
Period: \_\_\_\_\_

Graph both equations on the same graph, and then state where the graphs intersect.

1.  $y = x^2 + 7x + 12$   
 $-8x + 4y = 32$

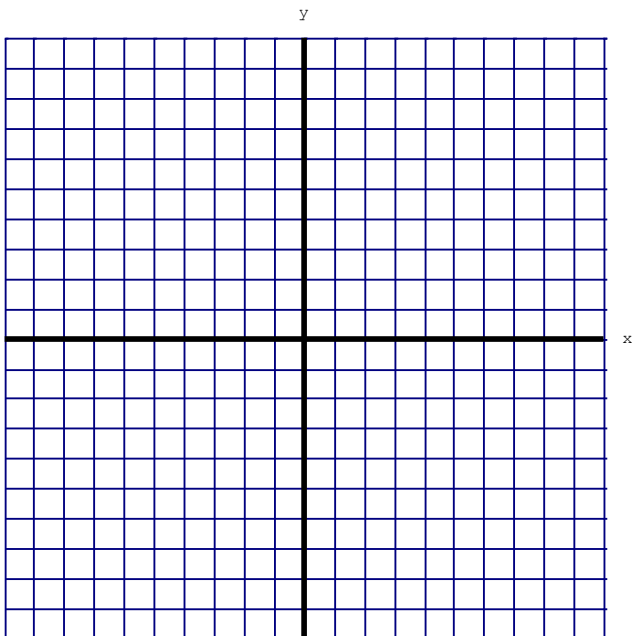
Reminders:

- $y = mx + b$
- Use a table with as many ordered pairs as possible for graphing the quadratic equation.



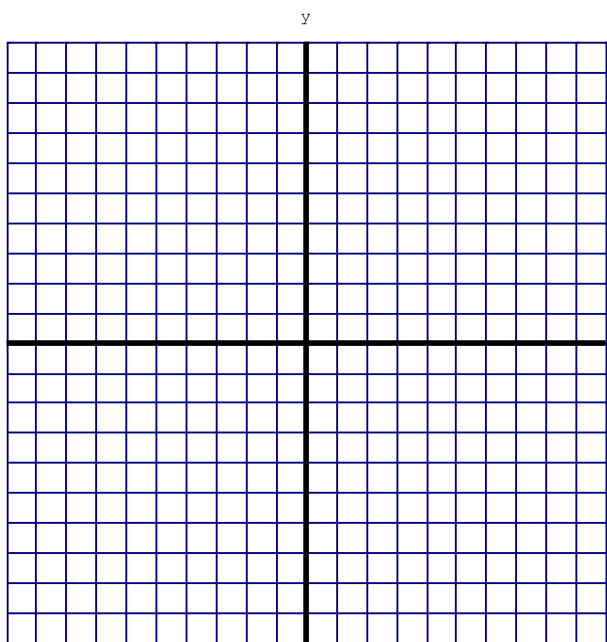
Points of Intersection: \_\_\_\_\_ and \_\_\_\_\_

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



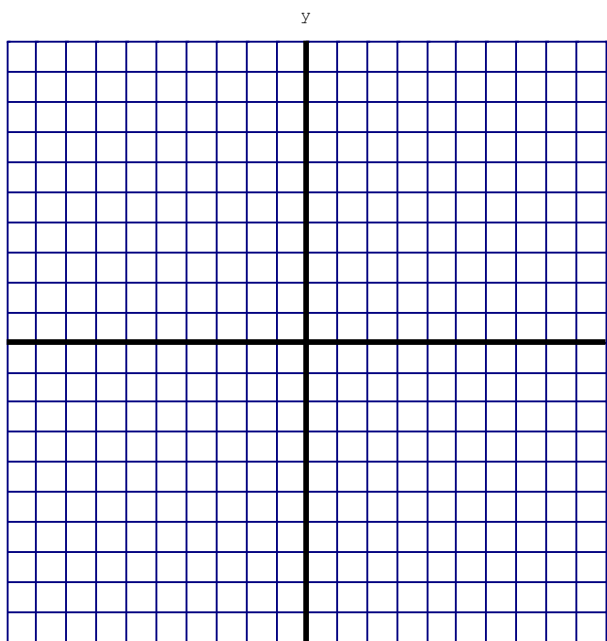
Points of Intersection: \_\_\_\_\_ and \_\_\_\_\_

3.  $y = -x^2 + 6x - 3$   
 $x + y = 7$



Points of Intersection: \_\_\_\_\_ and \_\_\_\_\_

4.  $y = -x^2 + 4$   
 $2x - 4y = -20$



Points of Intersection: \_\_\_\_\_ and \_\_\_\_\_