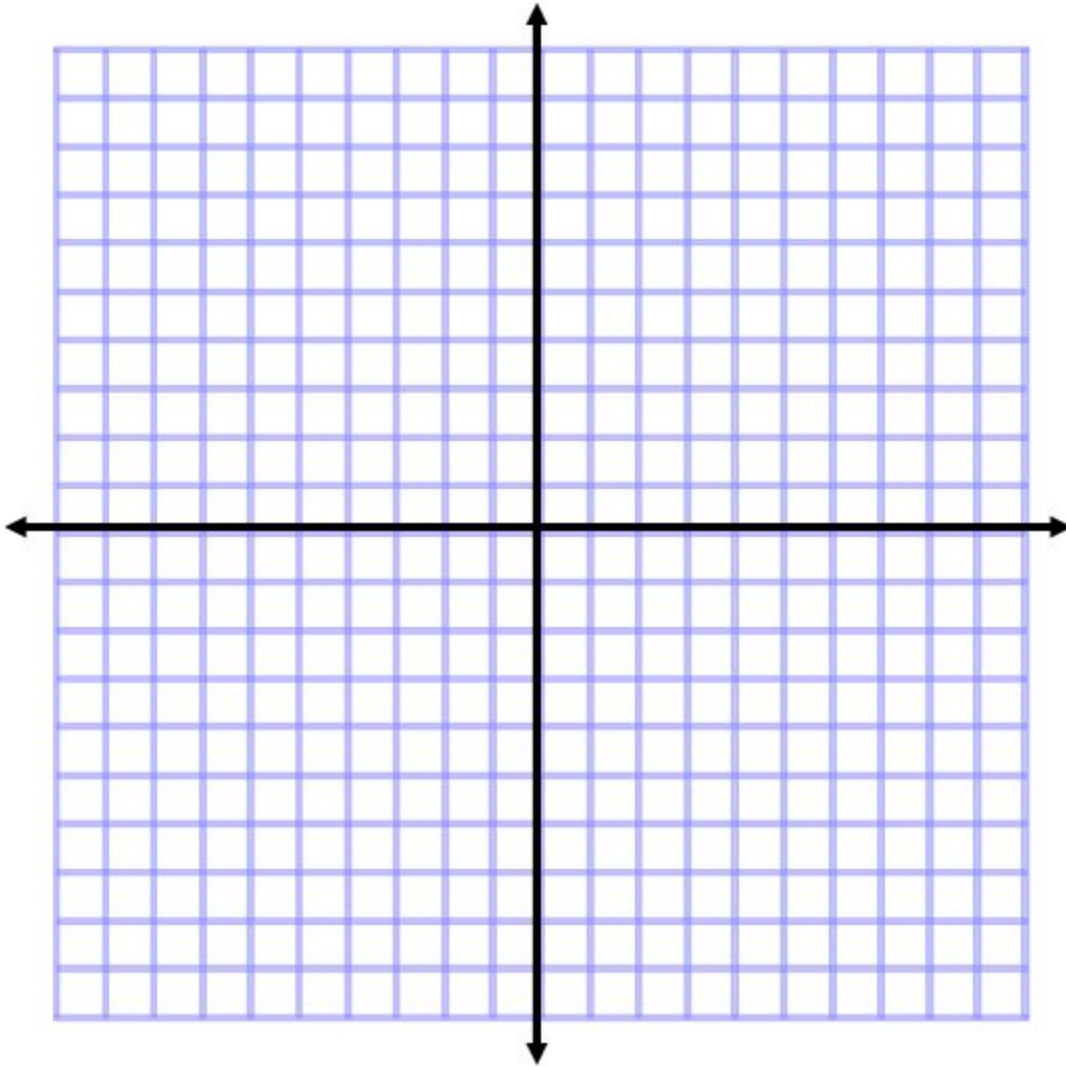




Name: \_\_\_\_\_

3. Sketch the graphs of the linear systems on the plane

a.  $y = \frac{1}{3}x + 1$  And  $y = -3x + 11$



b. What is the coordinate pair of where the two lines intersect?

4. Does the system below have a solution? Explain without graphing

a.  $2x + 5y = 9$  and  $-4x - 10y = 4$

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

5. How many solutions does the following systems of equations have? Explain.

a.  $y = \frac{3}{7}x - 8$  and  $3x - 7y = 1$

6. Use elimination to solve the following systems of equations

a.  $9x + 2y = 9$  and  $-3x + y = 2$

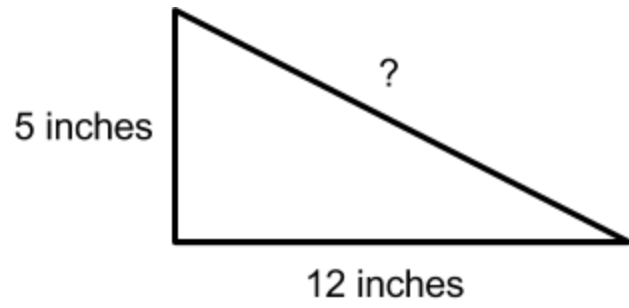
7. Use substitution to solve the following systems of equations

a.  $y = \frac{4}{3}x - 9$  and  $y - x = 3$

8. A math test is worth 100 points. There is a total of 26 questions. There are spelling word questions that are 2 points each and vocabulary word questions worth 5 points each. How many of each type of question are there?

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

9. Find the missing side of the triangle.



a.