

Name _____

Date _____

1. Give the coordinates of each point.

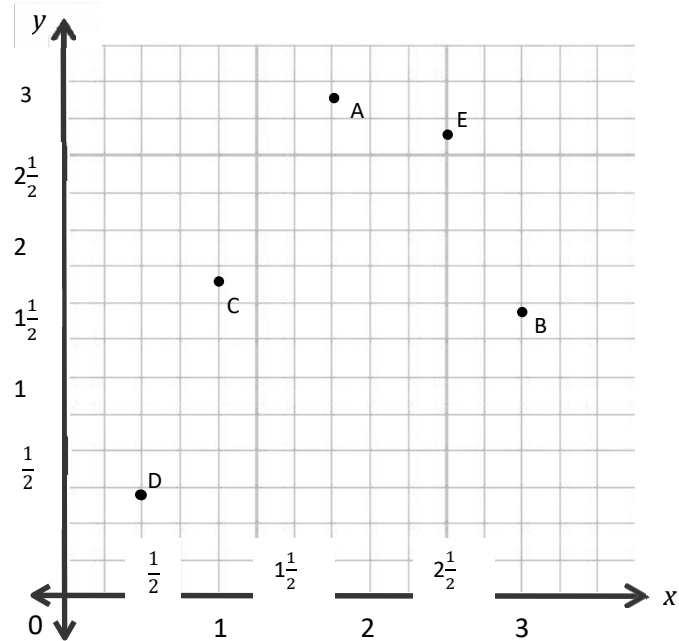
A -----

B -----

C -----

D -----

E



2. Plot each point in the coordinate plane above, and label each point with *F*, *G*, or *H*.

$F(0, 4)$

$G(2, 1)$

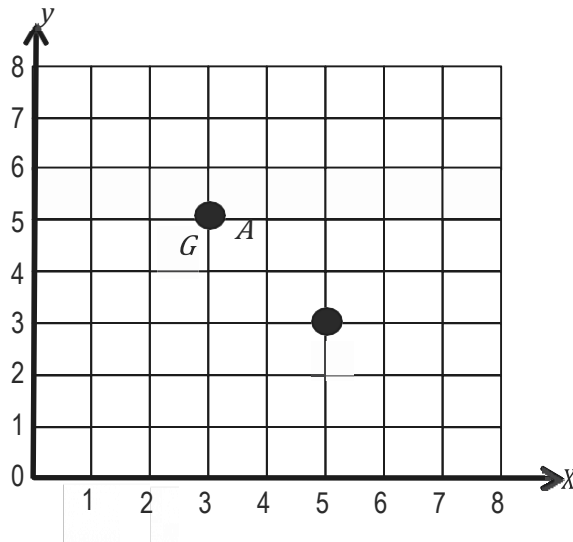
$H(4\frac{2}{3}, 3\frac{2}{3})$

3.

a. Give coordinates for any three points that are on the same vertical line. Include at least one point that has a mixed number as a coordinate.

b. Give coordinates for any three points that are on the same horizontal line. Include at least one point that has a fraction as a coordinate.

4. Gabriel and Austin are planning a treasure hunt. They decide to place a treasure at a point that is a distance of 5 units from the x -axis and 4 units from the y -axis. Austin places a treasure at point A , and Gabriel places one at point G . Who put the treasure in the right place? Explain how you know.



5.
 a. Find the y -coordinates by following the rules given for each table.

Table A: Multiply by $\frac{1}{2}$

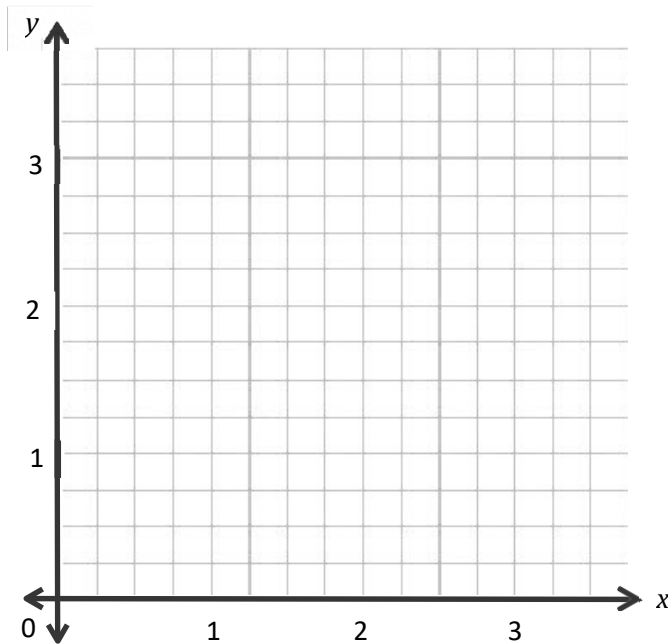
x	y
0	
1	
2	
3	

Table B: Multiply by $\frac{1}{4}$

x	y
0	
1	
2	
3	

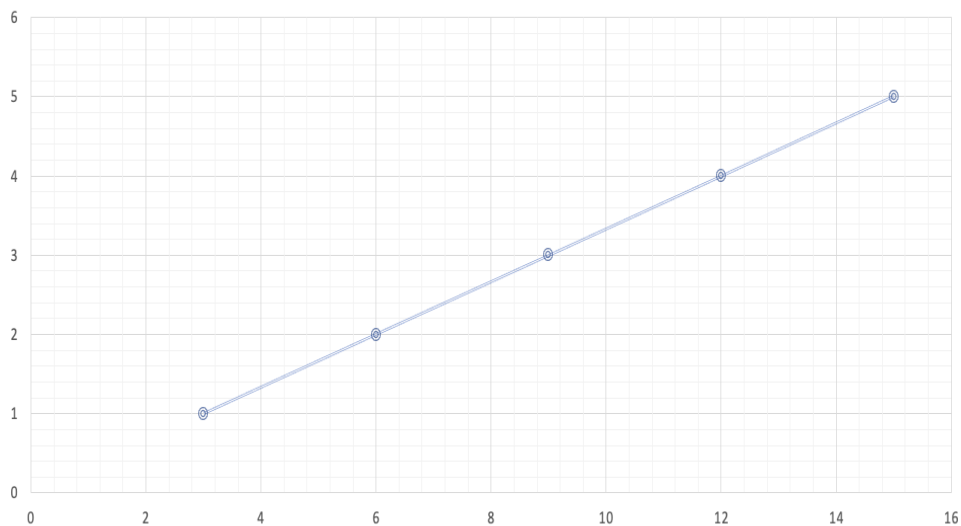
b. Graph and label the coordinate pairs from Table A. Connect the points, and label the line a. Graph and label the coordinate pairs from Table B. Connect the points, and label the line b.

c. Describe the relationship between the y-coordinates in Table A and Table B that have the same x-coordinate.



6.

a. Use the graph to give the coordinate pairs of the points marked on the line.



x	y

b. Using this rule, generate three more points that would be on this line but lie beyond the portion of the coordinate plane that is pictured.
