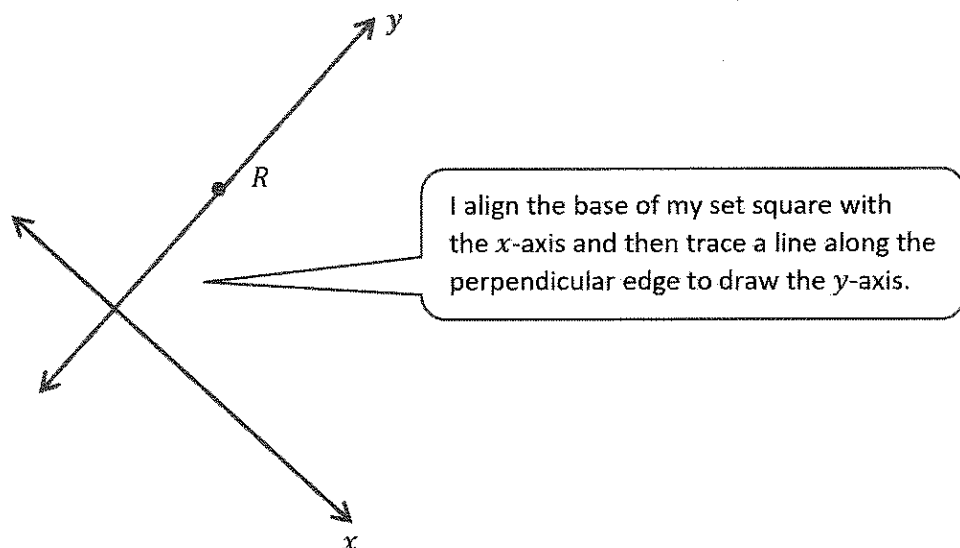


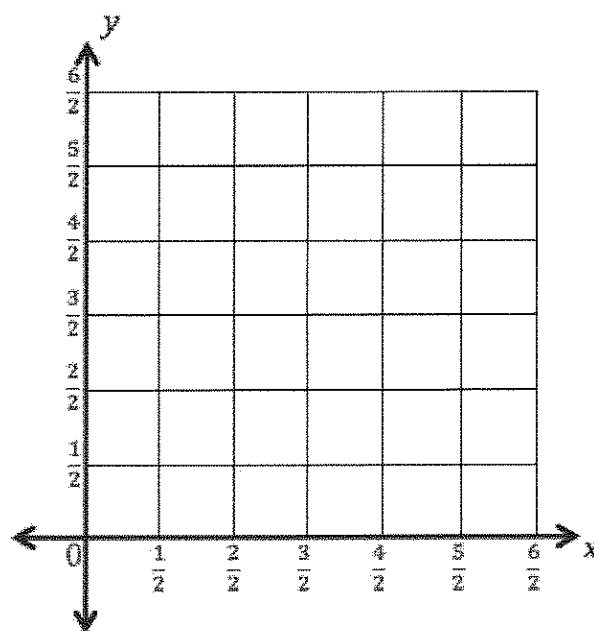
G5-M6-Lesson 2

1. Use a set square to draw a line perpendicular to the x -axis through point R . Label the new line as the y -axis.



2. Use the perpendicular lines below to create a coordinate plane. Mark 6 units on each axis, and label them as fractions.

I chose fractional units of $\frac{1}{2}$, but I could have chosen any fractional unit.



3. Use the coordinate plane to answer the following.

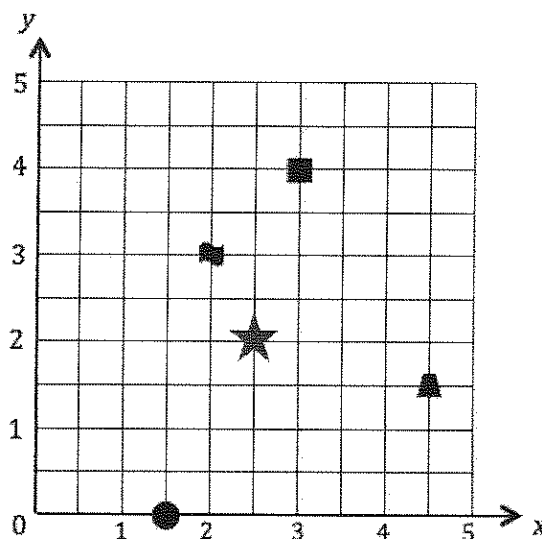
x-coordinate	y-coordinate	Shape
$1\frac{1}{2}$	0	circle
4.5	1.5	trapezoid
2	3	flag
3	4	square

$1\frac{1}{2}$ is not one of the numbers on the x -axis, but I know that $1\frac{1}{2}$ falls halfway between 1 and 2.

- a. Name the shape at each location.
- b. What shape is 3 units from the x -axis?
The flag is 3 units from the x -axis.

- c. Which shape has a y -coordinate of 3?
The flag has a y -coordinate of 3.

Problems 3(b) and 3(c) are asking the same question in different ways.



- d. Draw a star at $(2\frac{1}{2}, 2)$.

The numbers in the parentheses are *coordinate pairs*. Coordinate pairs are written in parentheses with a comma separating the two coordinates. The x -coordinate is given first.