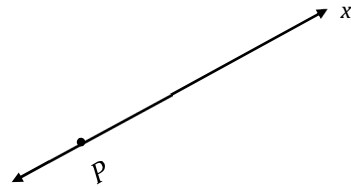
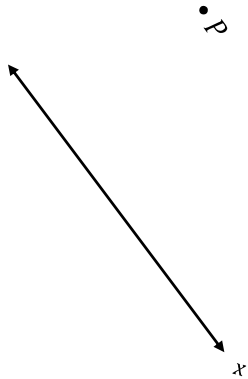


Name \_\_\_\_\_

Date \_\_\_\_\_

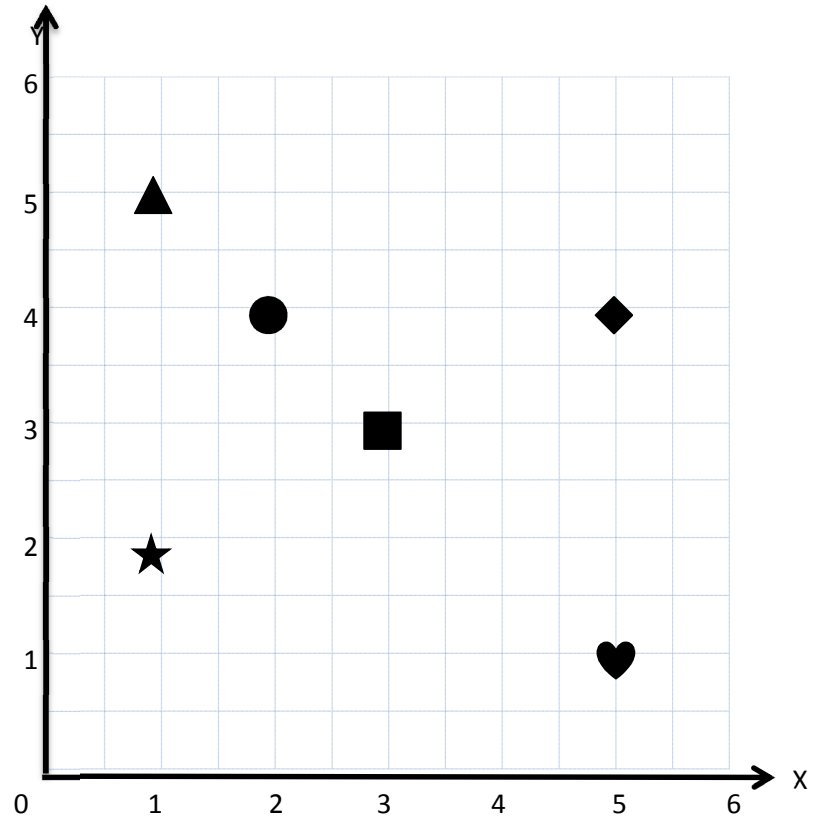
1.
  - a. Use a set-square to draw a line perpendicular to the  $x$ -axis through point  $P$ . Label the new line as the  $y$ -axis.



- b. Choose one of the sets of perpendicular lines above and create a coordinate plane. Mark 5 units on each axis, and label them as whole numbers.

2. Use the coordinate plane to answer.  
 a. Name the shape at each location.

x-coordinate	y-coordinate	Shape
2	4	
5	4	
1	5	
5	1	



- b. Which shape is 2 units from the  $x$ -axis?  
 c. Which shape has the same  $x$ - and  $y$ -coordinate?

3. Use the coordinate plane to answer.

a. Name the coordinates of each shape.

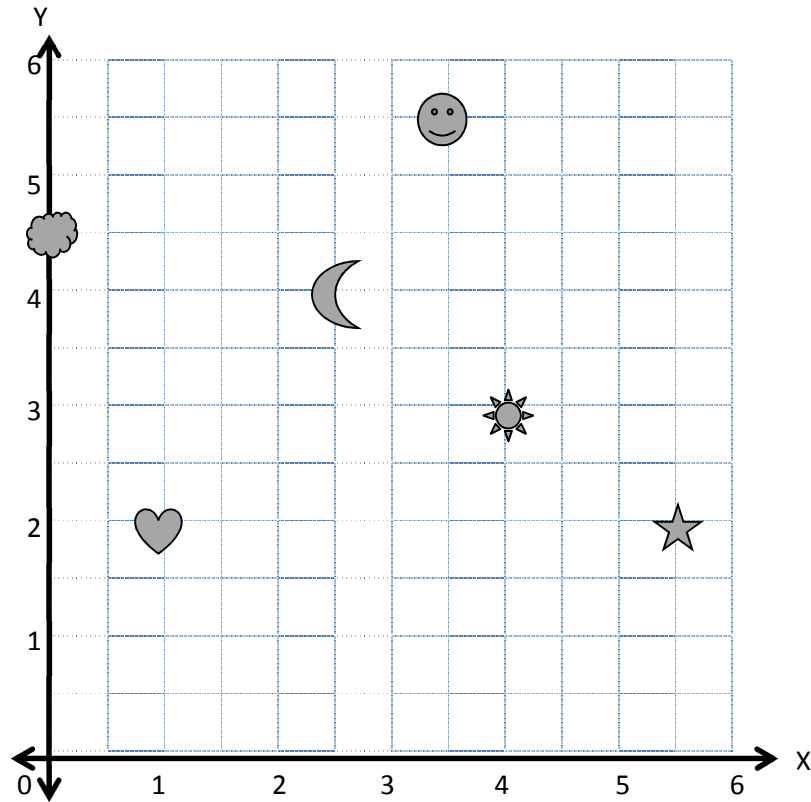
Shape	x-coordinate	y-coordinate
Moon		
Sun		
Heart		
Cloud		
Smiley Face		

b. Which 2 shapes have the same y-coordinate?

c. Plot an X at (2, 3).

d. Plot a square at  $(3, 2\frac{1}{2})$ .

e. Plot a triangle at  $(6, 3\frac{1}{2})$ .



4. Mr. Palmer plans to bury a time capsule 10 yards behind the school. What else should he do to make naming the location of the time capsule more accurate?

