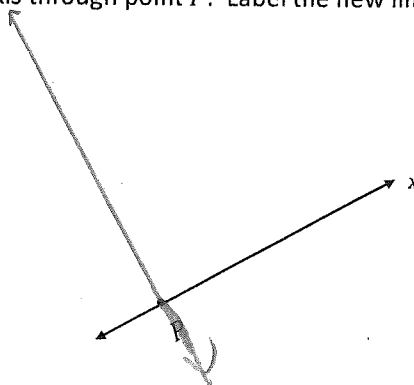
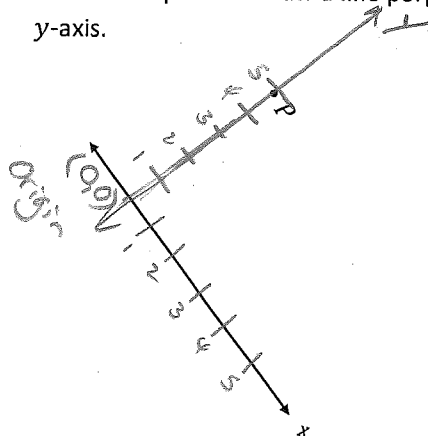


Name _____

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.

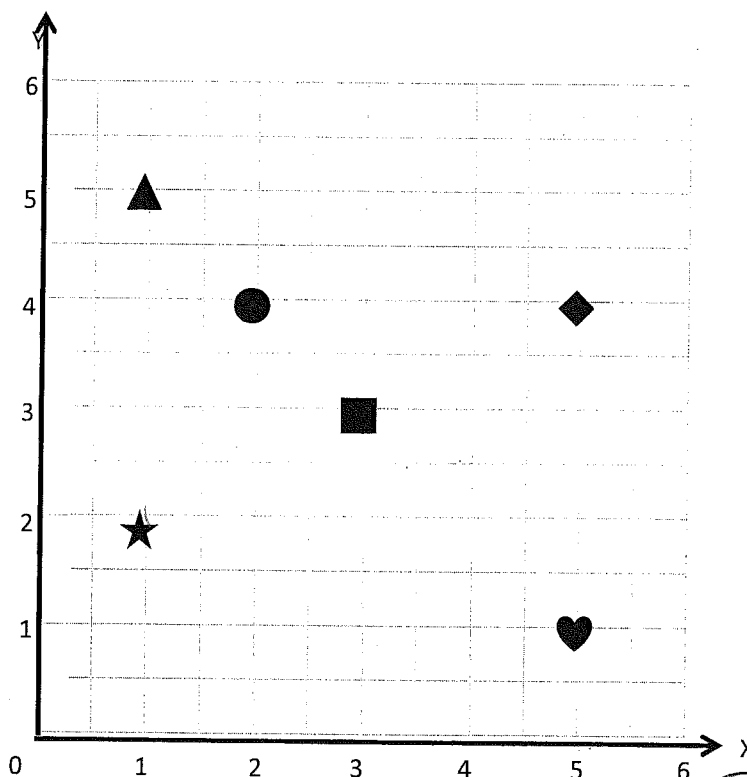
x -coordinate	y -coordinate	Shape
2	4	circle
5	4	rhombus
1	5	triangle
5	1	heart

- b. Which shape is 2 units from the x -axis?

heart

- c. Which shape has the same x - and y -coordinate?

Square (3, 3)



20

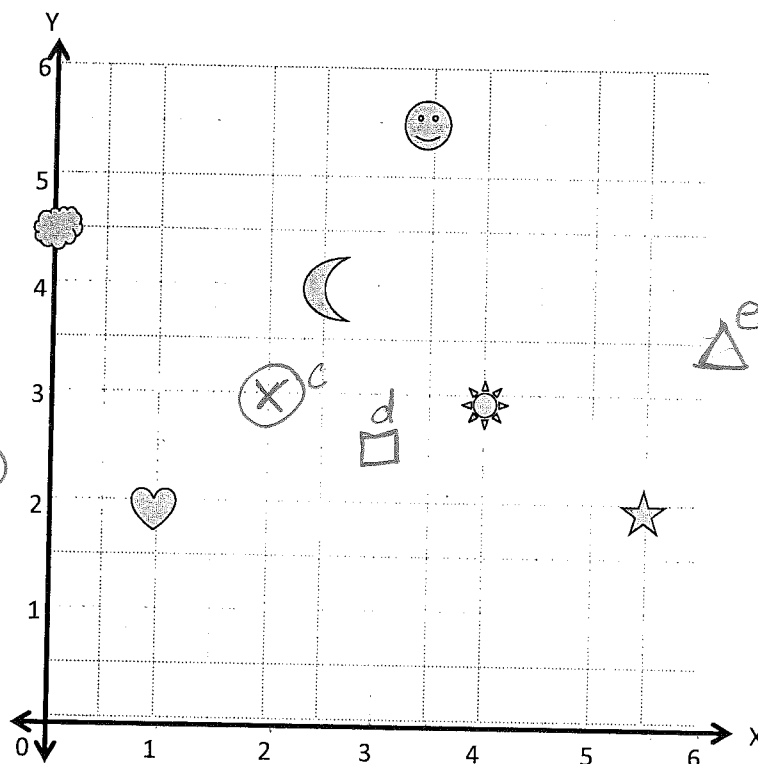
3. Use the coordinate plane to answer.
a. Name the coordinates of each shape.

Shape	x-coordinate	y-coordinate
Moon	$2\frac{1}{2}$	4
Sun	4	3
Heart	1	2
Cloud	0	$4\frac{1}{2}$
Smiley Face	$3\frac{1}{2}$	$5\frac{1}{2}$

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

heart star ($y=2$)

- 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?

Ten yards and
behind the school

can mean many places.

He can give a starting point
and then tell directions, not
just distance.

