





Objective 1: Objects on a coordinate plane

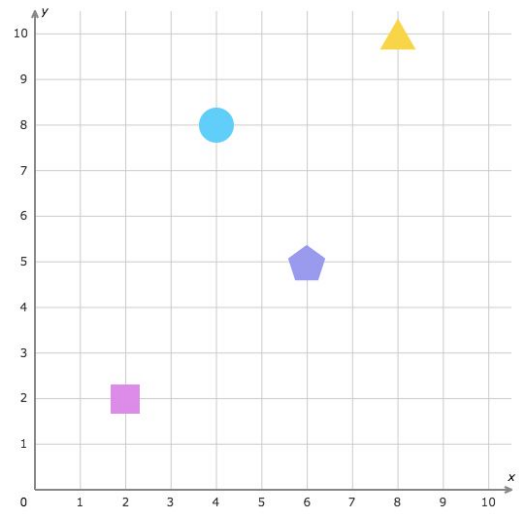
1. Use the graph to the right to answer the following:

What is the  $y$ -coordinate of the circle  ? \_\_\_\_\_


What is the  $x$ -coordinate of the pentagon  ? \_\_\_\_\_


What is the  $y$ -coordinate of the triangle  ? \_\_\_\_\_


What is the  $y$ -coordinate of the circle  ? \_\_\_\_\_




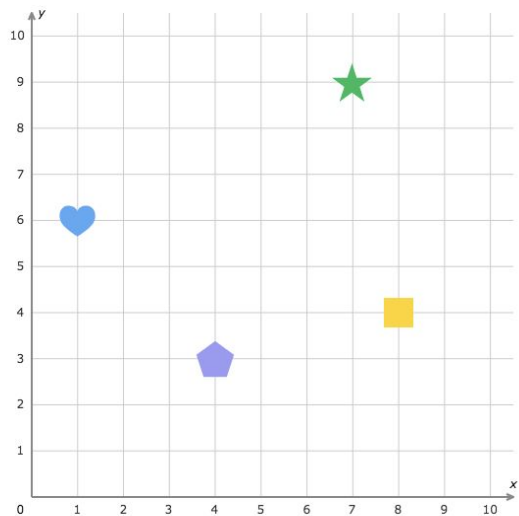
2. Use the graph to the right to answer the following:

What is the  $x$ -coordinate of the square  ? \_\_\_\_\_

What is the  $y$ -coordinate of the pentagon  ? \_\_\_\_\_

What is the  $y$ -coordinate of the star  ? \_\_\_\_\_

What is the  $x$ -coordinate of the heart  ? \_\_\_\_\_



3. Draw a line to match each shape with its coordinates, based on the graph to the right. Some sets of coordinates do not match any of the shapes.

(9, 6)



(2, 3)



(6, 9)

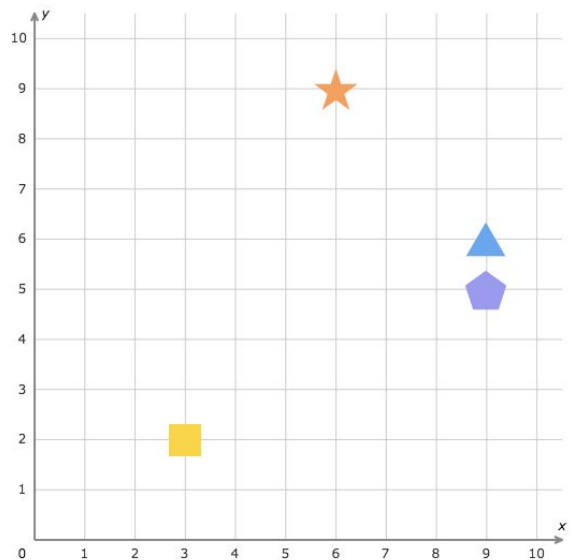


(9, 5)

(3, 2)



(5, 9)



Objective 2: Graph points on a coordinate plane

1. Graph the following points on the coordinate plane to the right. Use the letter next to each set of coordinates to label the points.

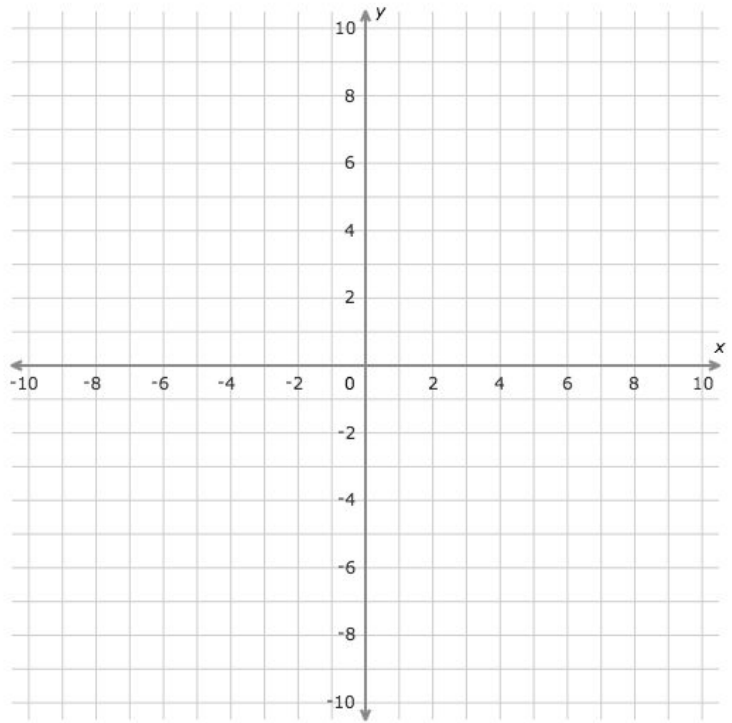
A at (8, 9)

B at (-6, 1)

C at (2, 6)

D at (2, -4)

E at (-1, -5)



Objective 3: Quadrants

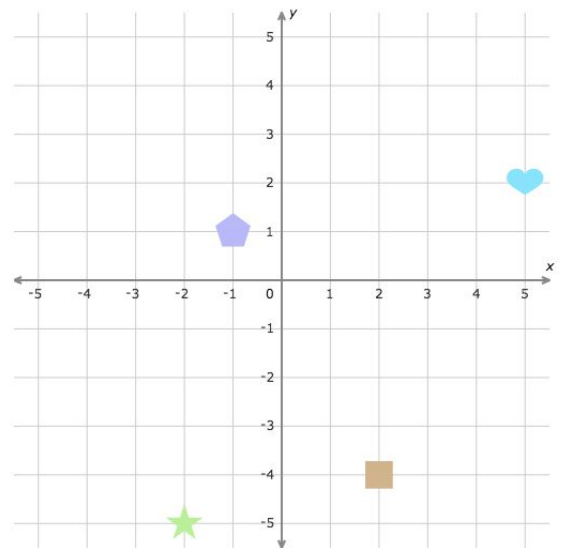
1. Use the graph to the right to answer the following:

Which shape is in Quadrant I?

Which shape is in Quadrant II?

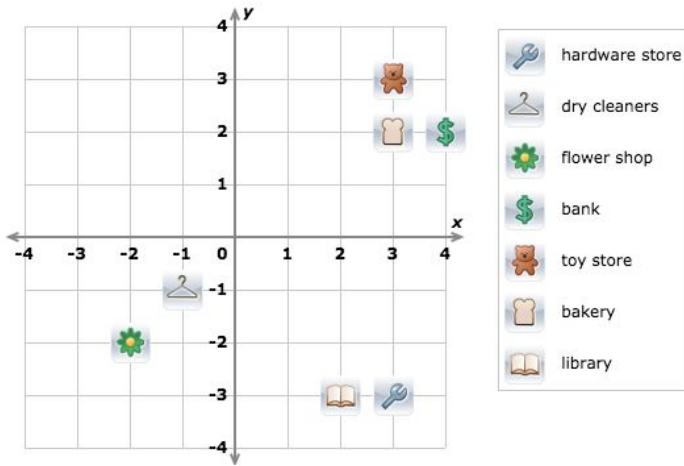
Which shape is in Quadrant III?

Which shape is in Quadrant IV?



Objective 4: Coordinate planes as maps

1. Use the coordinate grid below to answer the following:

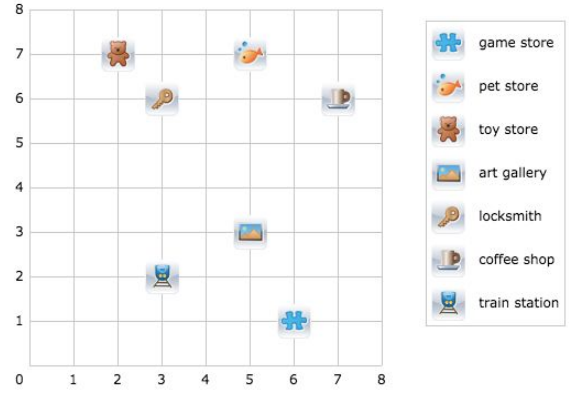


What is at (4, 2)? \_\_\_\_\_

What is at (2, -3)? \_\_\_\_\_

What is at (-2, -2)? \_\_\_\_\_

What is at (3, 2)? \_\_\_\_\_



2. Use the coordinate grid below to answer the following:

Where is the coffee shop? \_\_\_\_\_

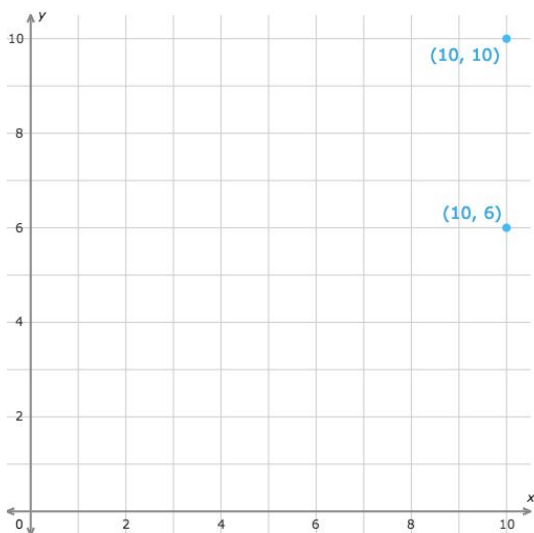
Where is the train station? \_\_\_\_\_

Where is the toy store? \_\_\_\_\_

Where is the pet store? \_\_\_\_\_

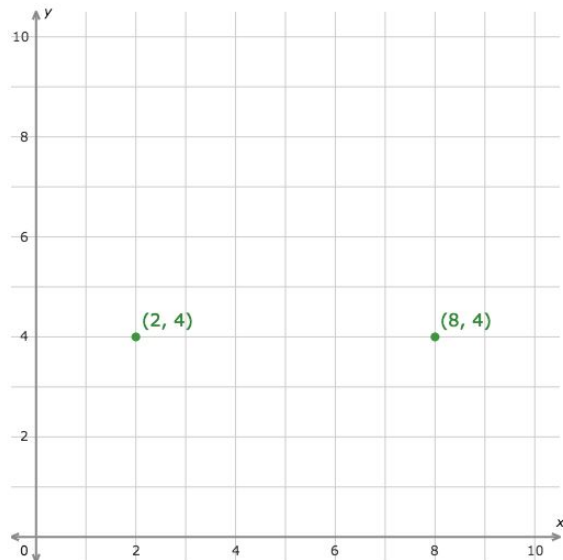
Objective 5: Distance between two points

1. What is the distance between the points (10, 10) and (10, 6)?



Answer: \_\_\_\_\_

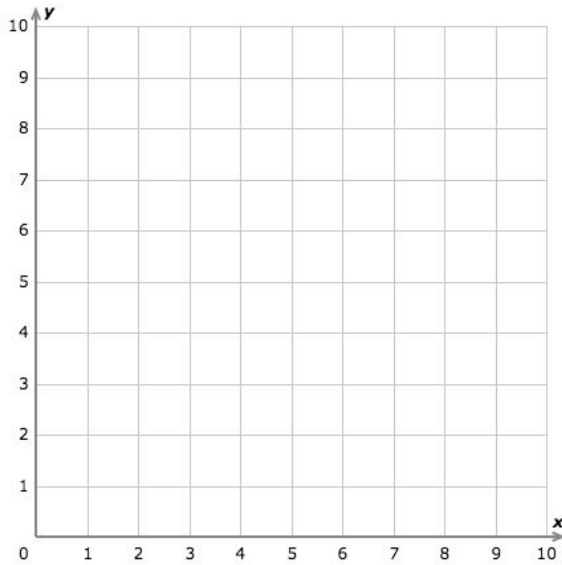
2. What is the distance between the points (2, 4) and (8, 4)?



Answer: \_\_\_\_\_

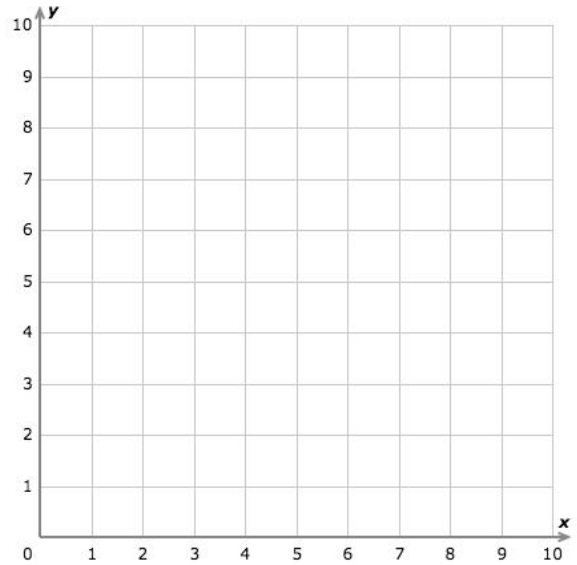
Objective 6: Follow directions on the coordinate plane

1. Start at  $(3, 4)$ . Move down 4 units. Where do you end?



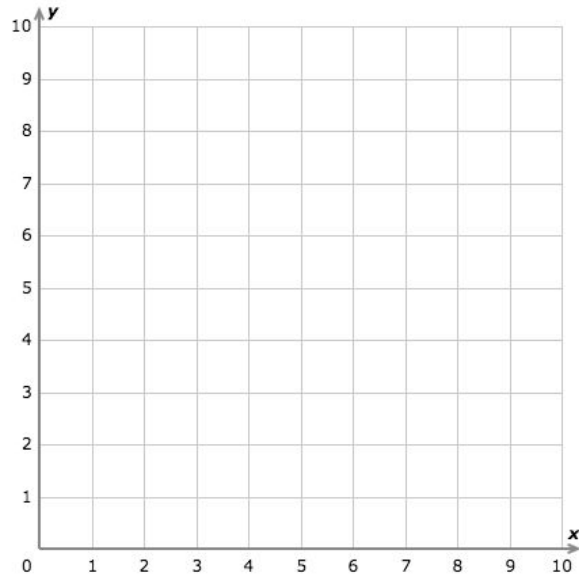
Answer: \_\_\_\_\_

2. Start at  $(8, 1)$ . Move left 1 unit. Where do you end?



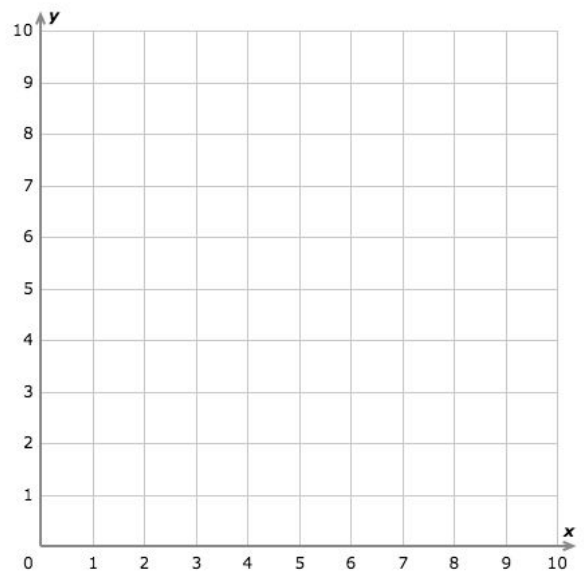
Answer: \_\_\_\_\_

3. Start at  $(8, 0)$ . Move right 1 unit. Where do you end?



Answer: \_\_\_\_\_

4. Start at  $(7, 0)$ . Move up 4 units. Where do you end?



Answer: \_\_\_\_\_

What do you notice about movement on the coordinate plane?