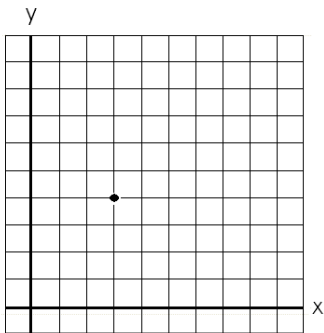


Can You Find Me on the Graph?

Part I

Graphing on a Coordinate Axis

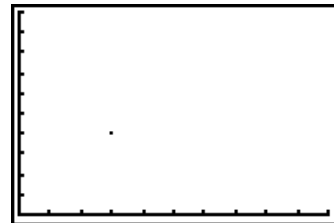


To graph the point (3,4) you start at (0,0) and move three units to the right on the x-axis and then 4 units up.

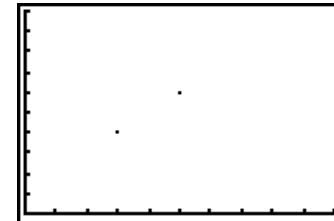
Graphing points on a TI-83

1. Turn the calculator ON.
2. Clear the memory of the calculator by pressing 2nd MEM, 7(Reset), 1. All RAM, 2. Reset.
3. CLEAR the screen.
4. To graph (3,4) press 2nd DRAW, select Pt-On(and press ENTER.
5. Complete the line so it says Pt-On(3,4) and press ENTER.
6. To repeat this command return to the homescreen by pressing 2nd Quit. Press 2nd ENTER to bring the command line back and change the numbers to a new set of coordinates. Press ENTER to graph.
7. To clear a graph press 2nd Draw and select 1. ClrDraw and press ENTER.

```
Pt-On(3,4)
```



```
Pt-On(3,4)  
Pt-On(5,6)
```

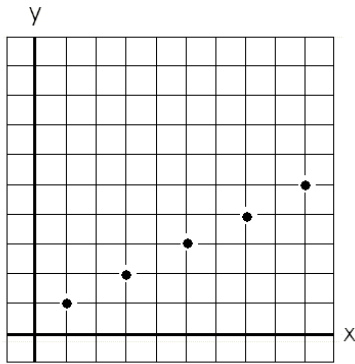


Graph the following points on the coordinate axis and the calculator.

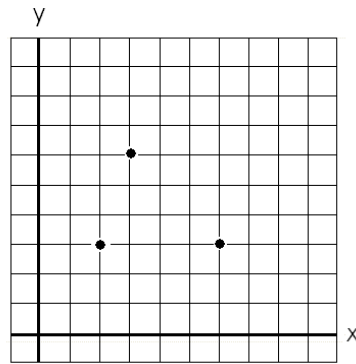
1. (1,1), (2,2), (3,3), (4,4), (5,5), (6,6), (7,7), and (8,8)
2. (1,4), (1,9), (7,9), and (7,4)
3. (8,7), (7, 5), (6, 3), and (5, 1)
4. (2,1), (3,2), (4,3), (5,2), and (6,1)
5. (3,5), (7,5), (6,1), and (1,1)

Create the following graphs on your coordinate axis and the calculator. Write down the names of the coordinates on the graphs.

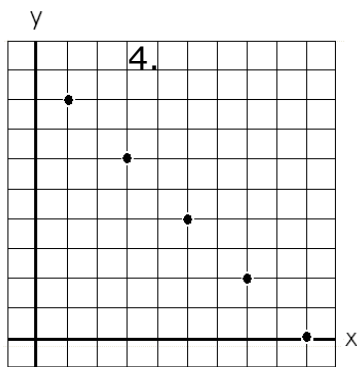
1.



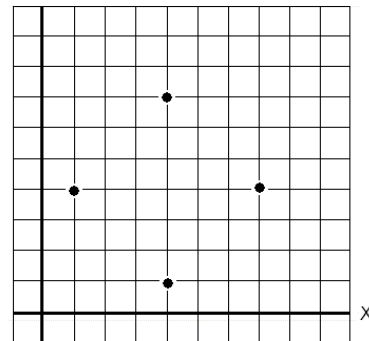
2.



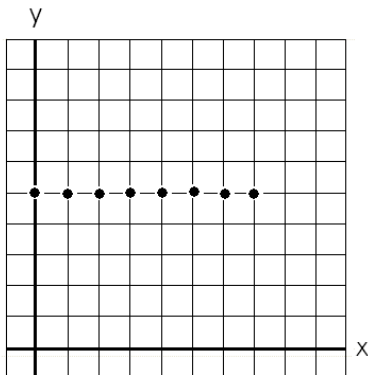
3.



4.



5.



Create a set of points that forms each of the following figures. Record your coordinates for each picture. Each picture must have at least three coordinates.

1. A vertical line of dots
2. Dots that form a right triangle
3. Dots that form a rectangle
4. Dots that form an upside down V
5. Dots that form a trapezoid