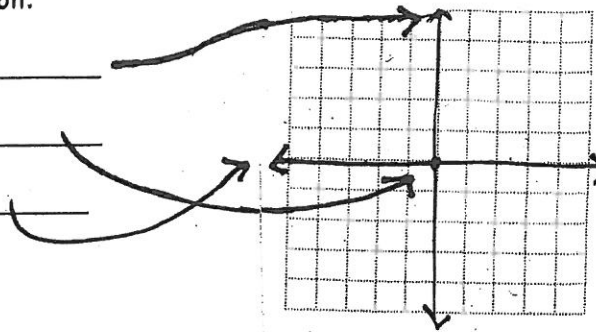


#1-4, Use the graph at right for each question.

1. What is this part of the graph? _____
2. What is this point named? _____
3. What is this part of the graph? _____
4. Label each quadrant on the graph.



#5-9, fill in the blank.

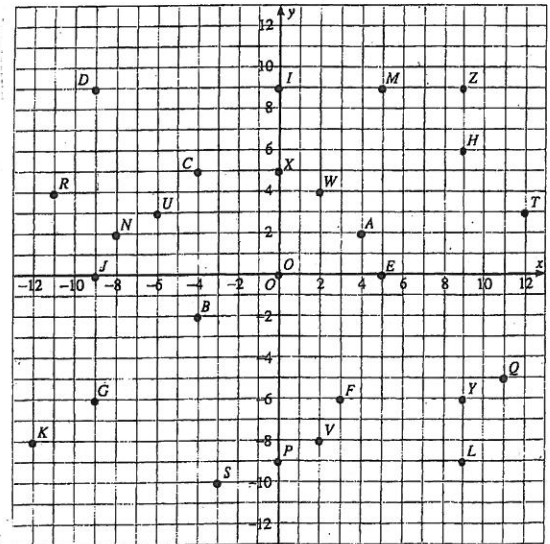
5. _____ are always put around the coordinates of a point.
6. A point which has a positive x and a negative y coordinate lies in the _____ quadrant.
7. In a point, the _____ coordinate is always written first.
8. A point which has a negative x and a negative y coordinate lies in the _____ quadrant.
9. The horizontal axis is the _____ axis.

#10-15, Name the point that is graphed for each ordered pair. Use graph below.

- | | |
|-----------|-------------|
| 10. (2,4) | 11. (-6,3) |
| 12. (9,6) | 13. (-9,0) |
| 14. (0,9) | 15. (-4,-2) |

#16-21, Give the coordinates AND the quadrant (if any) for each point.

- | | |
|-------|-------|
| 16. M | 17. L |
| 18. G | 19. X |
| 20. B | 21. T |



#22-26, Name all points which fit the given description.

22. The point on the positive x-axis
23. All points that lie on the same vertical line as Z
24. All points with a y-coordinate of zero.
25. All points having equal x and y coordinates.
26. The point in quadrant IV that lies closest to the y-axis.

This is a magic square. The sum of each row, column, and diagonal is 15.

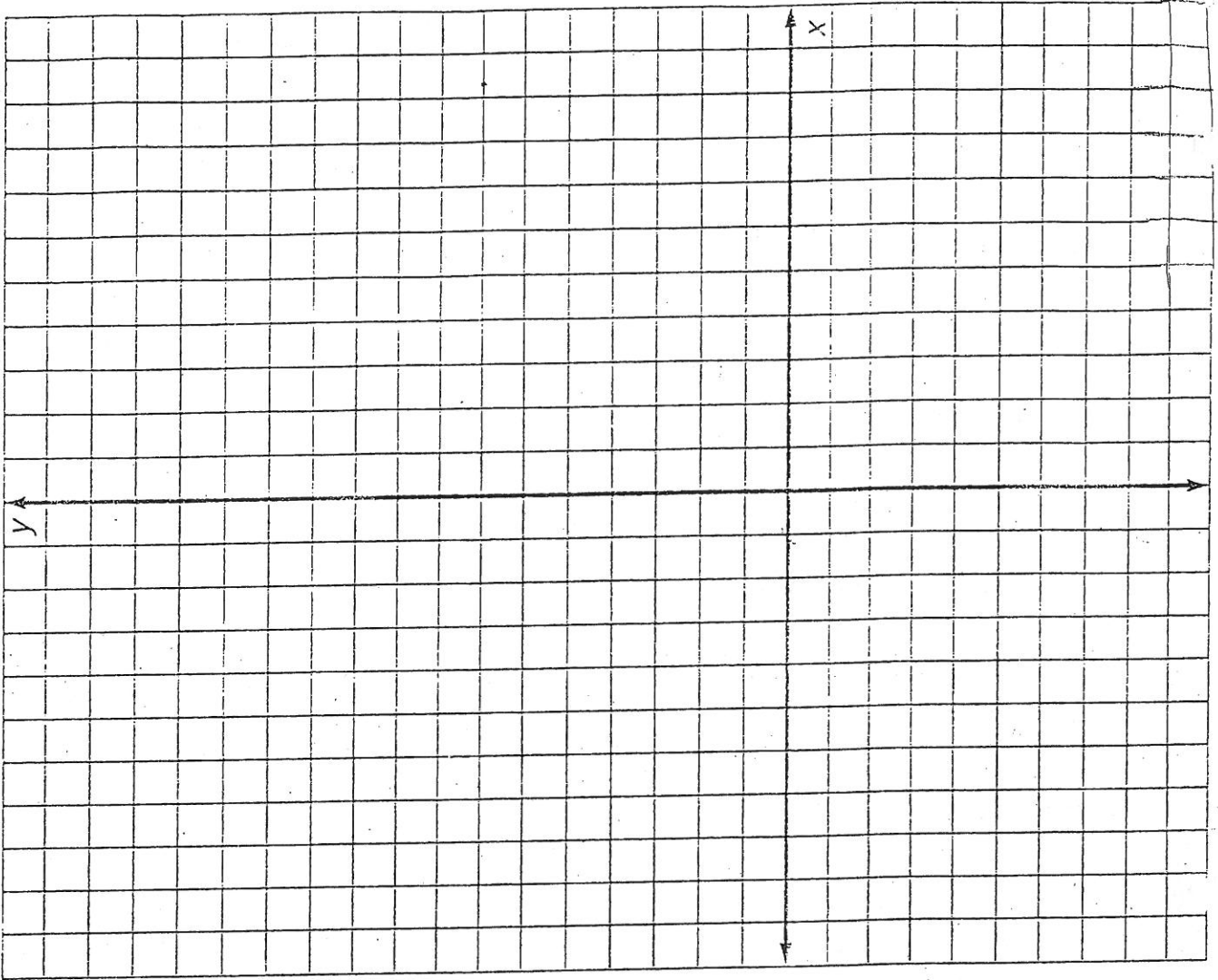
8	3	4
1	5	9
6	7	2

- A = _____
- B = _____
- C = _____
- D = _____
- E = _____
- F = _____

Find the numbers to make this a magic square with a sum of 18. Use that number to replace the letter in the ordered pairs.

B	E	D
8	A	4
C	F	9

- (9, 8)
- (E, E)
- (9, 12)
- (8, E)
- (8, E)
- (D, F)
- (B, E)
- (2, 12)
- (B, 14)
- (4, 12)
- (B, E)
- (0, 1)
- (-2, A)
- (1, 9)
- (0, E)
- (-1, 9)
- (1.5, A)
- STOP
- (-2, A)
- (-4, 12)
- (-3, 14)
- (-2, 12)
- (-5, F)
- (7, D)
- (-5, 8)
- (-6, 9)
- (-7, 8)
- (-4.5, D)
- STOP
- (-7, D)
- (-10, E)
- (-9, 12)
- (-8, E)
- (-9, 8)
- (-9, -4)
- (-6, -8)
- (0, -9)
- (A, -8)
- (9, -4)
- (9, 8)
- STOP
- (C, D)
- (5, 8)
- (A, 9)
- (C, 8)
- (4.5, D)
- STOP



Use your solution to the magic square to replace letters with numbers in the coordinates below. Plot each point. Connect each point with the next point using a straight line. When you reach a "STOP" lift your pencil and do not connect points.