

**Answers**

1. (-7, -8)
2. (4, 8)
3. (-3, 7)
4. (9, 4)
5. (-4, 2)
6. (10, -2)
7. (10, 7)
8. (2, 5)
9. (9, -1)
10. (9, 7)
11. C
12. F
13. D
14. J
15. K
16. H
17. E
18. G
19. B
20. A

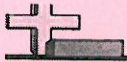
Determine the coordinates of each figure.

- |            |                |
|------------|----------------|
| 1) Star    | 2) Lightning   |
| 3) Circle  | 4) Heart       |
| 5) Cross   | 6) Triangle    |
| 7) Moon    | 8) Square      |
| 9) Diamond | 10) Music Note |

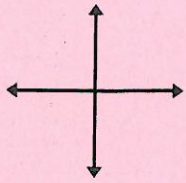
Determine which letter is at each coordinate.

- |              |              |
|--------------|--------------|
| 11) (10, 5)  | 12) (-5, -3) |
| 13) (7, -8)  | 14) (1, 7)   |
| 15) (-5, -7) | 16) (6, 6)   |
| 17) (-1, 3)  | 18) (8, -6)  |
| 19) (8, 7)   | 20) (-9, 4)  |





Determine which quadrant each pair of coordinates will be in.



Ex) (-4, 8)      (-4, -8)      (4, -8)      (4, 8)

1) (-5, 7)      (5, -7)      (5, 7)      (-5, -7)

2) (-5, -18)      (5, -18)      (-5, 18)      (5, 18)

3) (-10, 6)      (10, 6)      (-10, -6)      (10, -6)

4) (-6, 18)      (-6, -18)      (6, 18)      (6, -18)

5) (14, 17)      (-14, 17)      (14, -17)      (-14, -17)

6) (-5, -5)      (-5, 5)      (5, 5)      (5, -5)

7) (2, -6)      (-2, 6)      (2, 6)      (-2, -6)

8) (20, 20)      (-20, 20)      (-20, -20)      (20, -20)

9) (-14, 5)      (-14, -5)      (14, 5)      (14, -5)

10) (6, -4)      (6, 4)      (-6, -4)      (-6, 4)

11) (-1, 6)      (-1, -6)      (1, -6)      (1, 6)

12) (-10, -13)      (10, -13)      (-10, 13)      (10, 13)

13) (-14, -1)      (14, 1)      (-14, 1)      (14, -1)

14) (6, -9)      (-6, 9)      (-6, -9)      (6, 9)

15) (-9, 10)      (9, 10)      (9, -10)      (-9, -10)

16) (10, -2)      (-10, 2)      (-10, -2)      (10, 2)

**Answers**

Ex. 2 3 4 1

1. 2 4 1 3

2. 3 4 2 1

3. 2 1 3 4

4. 2 3 1 4

5. 1 2 4 3

6. 3 2 1 4

7. 4 2 1 3

8. 1 2 3 4

9. 2 3 1 4

10. 4 1 3 2

11. 2 3 4 1

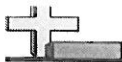
12. 3 4 2 1

13. 3 1 2 4

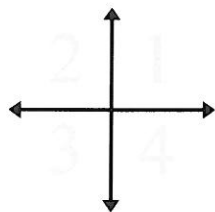
14. 4 2 3 1

15. 2 1 4 3

16. 4 2 3 1



Determine the coordinates and quadrant of each problem.



- Ex)** Starting at (0,0) if you were to go 3 units right and 8 units up what coordinates would you end up at? What quadrant would you be in?
- 1) Starting at (0,0) if you were to go 1 unit down and 10 units left what coordinates would you end up at? What quadrant would you be in?
  - 2) Starting at (0,0) if you were to go 7 units left and 3 units down what coordinates would you end up at? What quadrant would you be in?
  - 3) Starting at (0,0) if you were to go 5 units up and 10 units right what coordinates would you end up at? What quadrant would you be in?
  - 4) Starting at (0,0) if you were to go 7 units up and 3 units right what coordinates would you end up at? What quadrant would you be in?
  - 5) Starting at (0,0) if you were to go 5 units left and 10 units down what coordinates would you end up at? What quadrant would you be in?
  - 6) Starting at (0,0) if you were to go 3 units right and 1 unit up what coordinates would you end up at? What quadrant would you be in?
  - 7) Starting at (0,0) if you were to go 2 units down and 8 units right what coordinates would you end up at? What quadrant would you be in?
  - 8) Starting at (0,0) if you were to go 5 units down and 4 units left what coordinates would you end up at? What quadrant would you be in?
  - 9) Starting at (0,0) if you were to go 7 units down and 3 units right what coordinates would you end up at? What quadrant would you be in?
  - 10) Starting at (0,0) if you were to go 6 units down and 9 units right what coordinates would you end up at? What quadrant would you be in?
  - 11) Starting at (0,0) if you were to go 8 units down and 10 units right what coordinates would you end up at? What quadrant would you be in?
  - 12) Starting at (0,0) if you were to go 9 units down and 9 units right what coordinates would you end up at? What quadrant would you be in?
  - 13) Starting at (0,0) if you were to go 6 units right and 2 units down what coordinates would you end up at? What quadrant would you be in?

Answers

- |     |                 |          |
|-----|-----------------|----------|
| Ex. | <u>(3,8)</u>    | <u>1</u> |
| 1.  | <u>(-10,-1)</u> | <u>3</u> |
| 2.  | <u>(-7,-3)</u>  | <u>3</u> |
| 3.  | <u>(10,5)</u>   | <u>1</u> |
| 4.  | <u>(3,7)</u>    | <u>1</u> |
| 5.  | <u>(-5,-10)</u> | <u>3</u> |
| 6.  | <u>(3,1)</u>    | <u>1</u> |
| 7.  | <u>(8,-2)</u>   | <u>4</u> |
| 8.  | <u>(-4,-5)</u>  | <u>3</u> |
| 9.  | <u>(3,-7)</u>   | <u>4</u> |
| 10. | <u>(9,-6)</u>   | <u>4</u> |
| 11. | <u>(10,-8)</u>  | <u>4</u> |
| 12. | <u>(9,-9)</u>   | <u>4</u> |
| 13. | <u>(6,-2)</u>   | <u>4</u> |



**Part IV:**

Answer the following questions.

15. Give an example of a coordinate pair that might be found in Quadrant III.

(- , -)

16. Where on the coordinate plane would you find the following ordered pairs?

(0, 5) y AXIS (5, 0) x AXIS

Use the coordinate grid to help you

17. Another name for the horizontal axis is the x-axis.

Another name for the vertical axis is the y-axis.

18. Name the coordinates for the point of origin.

(0, 0)

19. In the ordered pair (a, b), which coordinate is the y-coordinate? Circle your answer.

a or b

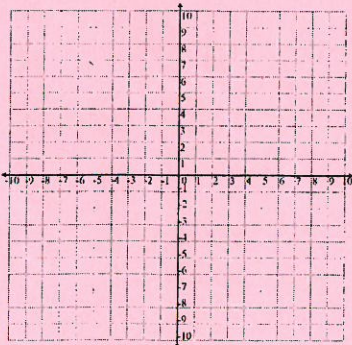
20. Point E is located 5 units to the left of the origin and 2 units above the origin.

Name the ordered pair to describe this location.

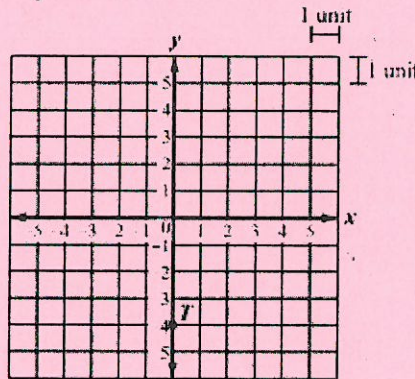
(-5, 2)

21. Imagine a neighborhood on a coordinate grid, with your home at the origin and the top of the map as due north. If you travel 3 blocks west, then 5 blocks north to get to school, what quadrant is your school in?

II

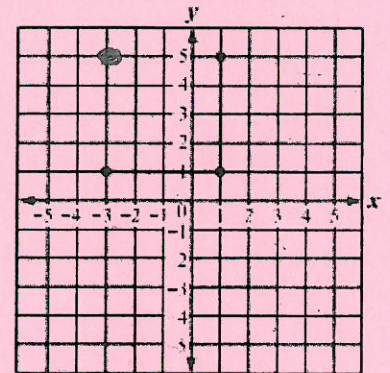


22. Point S is 5 units to the right of point T. What are the coordinates for point S?



(5, -4)

23. Two sides and three vertices of a square are shown on the coordinate plane below.



What are the coordinates of the fourth vertex of the square?

(-3, 5)