



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 15.05.20

Duration: 40 min

Worksheet 23

Full Marks: 15

GRAPHS

Choose the Correct options:

1. (o, y) are the co-ordinates of a point lying on which of the following?

- (i) origin (ii) x-axis (iii) y-axis (iv) none of these.

2. The point $(3, 2)$ is nearer to:

- (i) x-axis (ii) y-axis (iii) origin (iv) none of these.

3. The point $(-5, 6)$ is nearer it:

- (i) x-axis (ii) y-axis (iii) origin (iv) none of these.

4. The point $(-3, -3)$ is

- (i) nearer to x-axis
(ii) y-axis
(iii) near to origin
(iv) equidistant from x-axis and y-axis.

5. The point $(0, 4)$ lies on which of the following:

- (i) x-axis (ii) y-axis (iii) origin (iv) none of these.

6. The point $(-3, 0)$ lies on which of the following?

- (i) x-axis (ii) y-axis (iii) origin (iv) none of these.

7. The points $(-3, 2)$ and $(2, -3)$ represent:

- (i) different points (ii) same point (iii) the origin (iv) none of these.

8. By joining $(-1, -1)$, $(0, 0)$ and $(3, 3)$ represent:

- (i) a triangle
(ii) a curved line
(iii) a straight line passing through origin
(iv) a straight line not passing through origin.

9. By joining $(-3, 2)$, $(-3, -3)$ and $(-3, 4)$, which of the following is obtained?

- (i) a triangle
(ii) A straight line not passing through origin
(iii) A straight line passing through origin
(iv) none of these.

10. Which of the following points lies on y-axis?

- (i) $(-4, 0)$ (ii) $(4, 0)$ (iii) $(0, -4)$ (iv) $(-4, 4)$

11. $(0, -3)$ lies on _____.

- (i) Positive x-axis (ii) Negative x-axis (iii) Positive y-axis (iv) Negative y-axis

12. To draw the graph of a line, the least number of points required is _____.

- (i) 1 (ii) 2 (iii) 3 (iv) 4

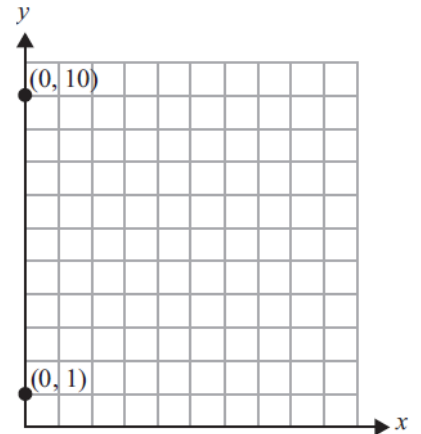
13. The point of intersection of co-ordinate axes is called ____.

- (i) Common point (ii) Zero point (iii) Origin (iv) Null point

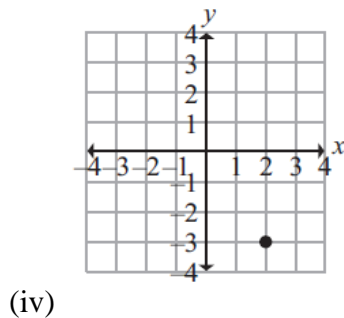
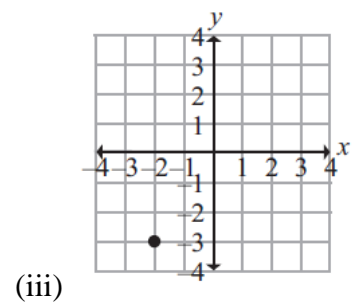
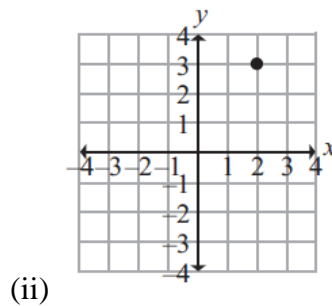
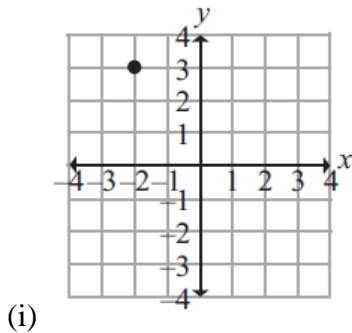
14. Use the coordinate grid given to answer the question.

What is the distance between the points at $(0, 1)$ and $(0, 10)$?

- A. 8 units
 B. 9 units
 C. 10 units
 D. 11 units



14. Which graph shows the ordered pair $(-2, 3)$ plotted correctly?



15. Use the coordinate grid below to answer the question.

What are the coordinates of point J?

- (i) $(0, 3)$ (ii) $(-3, 0)$ (iii) $(3, 0)$ (iv) $(0, -3)$

