Sub: Algebra and Geometry   **Class: 7**   **Date: 03.07.21**
Duration: 40 min   **Worksheet Solution- 32**   **Full Marks: 15**
GRAPHS

Choose the Correct options:
1. (0, 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-oxis   (iii) origin   (iv) none of these.

3. The point (–5, 6) is nearer it:
(i) x-axis   **(ii) y-oxis**   (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-oxis**   (iii) origin   (iv) none of these.

6.   The point (–3, 0) livs on which of the following?
(i) x-axis   (ii) y-oxis   (iii) origin   (iv) none of these.

7.   The poits (–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

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13. The point of intersection of co-ordinate axes is called _____.
(i) Common point (ii) Zero point **(iii) Origin** (iv) Null point
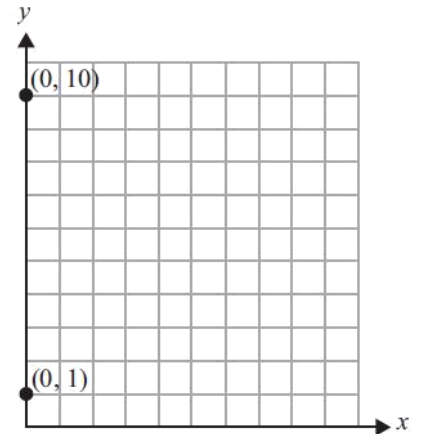
14. Use the coordinate grid given to answer the question.
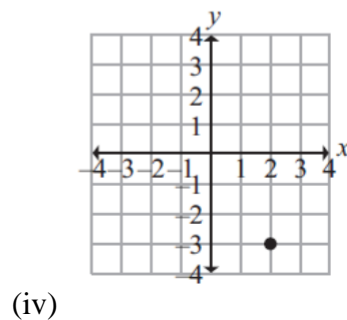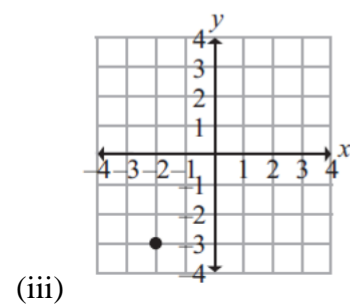What is the distance between the points at (0, 1) and (0, 10)? A. 8 units
B. 9 units
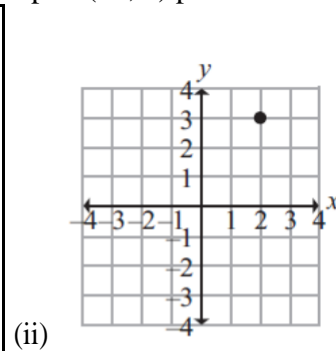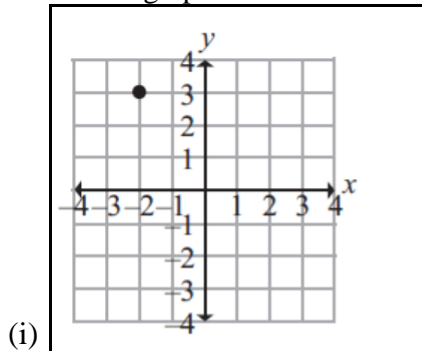C. 10 units
D. 11 units

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

(i)

(ii)

(iii)

(iv)

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)**

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