



Class 9 Mathematics | Orienting Yourself: The Use Of Coordinates

MCQ WORKSHEET • 15 questions • Choose one correct option • Suggested time: 25 minutes

1. Which quadrant contains $(-4, 7)$?

A. IV B. II C. III D. I

2. The point $(0, -6)$ lies on the:

A. positive y-axis B. negative x-axis
C. positive x-axis D. negative y-axis

3. The distance between $(2, 3)$ and $(2, -5)$ is:

A. 2 B. 10 C. 8 D. 6

4. Find the distance between $(1, 2)$ and $(4, 6)$.

A. 5 B. 7 C. $\sqrt{7}$ D. 25

5. The midpoint of $(-2, 5)$ and $(6, -1)$ is:

A. $(2, 3)$ B. $(4, 4)$ C. $(-4, 3)$ D. $(2, 2)$

6. Reflection of $(3, -4)$ in the x-axis is:

A. $(-3, -4)$ B. $(3, 4)$ C. $(-3, 4)$ D. $(4, 3)$

7. A robot at $(-1, 2)$ moves 4 units east and 3 south. Its position is:

A. $(3, -1)$ B. $(-5, 5)$ C. $(3, 5)$ D. $(-4, 6)$

8. The distance of $(-5, 12)$ from the origin is:

A. 17 B. 7 C. 13 D. $\sqrt{119}$

9. Which point is equally distant from $(-4, 0)$ and $(4, 0)$?

A. $(0, 3)$ B. $(2, 0)$ C. $(-2, 3)$ D. $(4, 3)$

10. $A(1, 1)$, $B(1, 5)$, $C(4, 5)$ form a triangle right-angled at:

A. A B. B C. none of these D. C

11. If $(3, 2)$ is the midpoint of $(1, -2)$ and (x, y) , find (x, y) .

A. $(4, 0)$ B. $(2, 4)$ C. $(6, 4)$ D. $(5, 6)$

12. Which point lies on the line through $(0, 0)$ and $(2, 4)$?

A. $(1, 4)$ B. $(3, 6)$ C. $(2, 3)$ D. $(4, 3)$

13. The vertices $(0, 0)$, $(5, 0)$, $(5, 3)$, $(0, 3)$ enclose an area of:

A. 30 square units B. 8 square units
C. 15 square units D. 16 square units

14. A circle has diameter endpoints $(-3, 2)$ and $(5, 2)$. Its centre is:

A. $(1, 2)$ B. $(2, 1)$ C. $(4, 2)$ D. $(-1, 2)$

15. For which k is the distance between $(k, 0)$ and $(0, 0)$ equal to 6?

A. $k=36$ B. $k=6$ or -6
C. $k=-6$ only D. $k=6$ only

ANSWER KEY — check after completing all 15 questions

1.B 2.D 3.C 4.A 5.D 6.B 7.A 8.C 9.A 10.B 11.D 12.B 13.C 14.A 15.B