



Class 10 Mathematics | Coordinate Geometry

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

1. Distance between $(-1,2)$ and $(3,5)$ is:

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

2. Midpoint of $(-4,6)$ and $(2,-2)$ is:

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

3. A point divides $(0,0)$ to $(6,9)$ internally in ratio $1:2$. Its coordinates are:

A. $(3,4.5)$ B. $(1,2)$ C. $(2,3)$ D. $(4,6)$

4. Distance of $(8,15)$ from origin is:

A. $\sqrt{161}$ B. 17 C. 23 D. 7

5. Which point is equidistant from $(2,0)$ and $(-2,0)$?

A. $(-1,3)$ B. $(1,0)$ C. $(2,2)$ D. $(0,5)$

6. The midpoint of $A(2,3)$, $B(x,7)$ is $(5,5)$. x equals:

A. 3 B. 8 C. 6 D. 10

7. The ratio in which $(3,0)$ divides $(0,0)$ to $(9,0)$ is:

A. $2:1$ B. $1:2$ C. $1:3$ D. $3:1$

8. The point dividing $(1,2)$ to $(7,8)$ internally in ratio $2:1$ is:

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

9. The distance between $(a,0)$ and $(0,a)$, for $a>0$, is:

A. $2a$ B. a C. a^2 D. $a\sqrt{2}$

10. If $(x,0)$ is equally distant from $(2,3)$ and $(6,3)$, x is:

A. 6 B. 3 C. 2 D. 4

11. A diameter has endpoints $(-2,1)$ and $(4,9)$. Radius is:

A. 5 B. 4 C. 10 D. $\sqrt{10}$

12. Points $(1,2)$, $(3,4)$, $(5,6)$ are:

A. vertices of a right triangle
B. non-collinear
C. vertices of an equilateral triangle
D. collinear

13. If $A(0,0)$, $B(4,0)$, $C(4,3)$, then AC is:

A. 4 B. 3 C. 5 D. 7

14. A square has opposite vertices $(0,0)$ and $(6,6)$. Its centre is:

A. $(3,3)$ B. $(6,0)$ C. $(0,6)$ D. $(6,3)$

15. The point $(0,0)$ divides $(-3,-6)$ to $(2,4)$ in ratio:

A. $3:4$ B. $2:3$ C. $3:2$ D. $1:1$

ANSWER KEY — check after completing all 15 questions

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

Original exam-style practice • Reference notes: www.physics.guru/cbse-practice-papers/ • Not an official paper

Plot No. 15, Second Floor, Jaisingh Chowk, Sector 85, Gurgaon - 122004

8800 8800 28 | www.goodmarksclasses.com