

ECAT Pre General Science Mathematics Chapter 20 Analytic Geometry Online Test

Sr	Questions	Answers Choice
1	If points $(-1, h)$, $(3, 2)$ and $(7, 3)$ are collinear then $h =$	A. 3 B. 4 C. 0 D. None of these
2	x-axis divides the line segment joining points $(2, -3)$ and $(5, 6)$ in the ratio:	A. 2 : 1 B. -2 : 1 C. 1 : 2 D. -1 : 2
3	If points A $(6, -1)$, B $(1, 3)$ and C $(x, 8)$ are such that $AB = BC$, then $x =$	A. 3,5 B. -3,5 C. 3,-5 D. -3,-5
4	In $\triangle ABC$ the mid points of AB and AC are $(3, 5)$ and $(-3, -1)$ respectively, then the length of the side BC is:	A. 15 B. 10 C. 30 D. 20
5	Three points $(-2, 2)$, $(8, -2)$ and $(-4, 3)$ are vertices of a :	A. Isosceles triangle B. right-angled triangle C. Equilateral triangle D. Rectangle
6	The points $(0, -1)$, $(2, 1)$, $(0, 3)$ and $(-2, 1)$ are the corner of:	A. Square B. rhombus C. Parallelogram D. rectangle
7	The points $(-1, 3)$, $(3, 0)$ are the vertices of:	A. Right-angled triangle B. Isosceles triangle C. Equilateral triangle D. square
8	The quadrilateral with the vertices $(-3, -2)$, $(2, -1)$, $(3, 4)$ and $(-2, 3)$ is a:	A. Square B. Rectangle C. rhombus D. parallelogram
9	The points $(5, 2)$, $(-2, 3)$, $(-3, -4)$ and $(4, -5)$ are the vertices of:	A. rhombus B. Parallelogram C. rectangle D. square
10	The points $(3, 1)$, $(-2, -3)$ and $(2, 2)$ are the vertices of :	A. Equilateral triangle B. Isosceles triangle C. right -angled triangle D. rhombus
11	The cartesian system of coordinates was introduced by:	A. Euler B. Euclid C. Descartes D. MacLaurin