Multiple choice questions - Constructions, loci, bearings, plans and elevations

Year: Year 11 · 10

Question 1 A bearing is measured

- ◯ **A.** anticlockwise from north
- ◯ **B.** clockwise from north
- ◯ **C.** clockwise from east
- ◯ **D.** anticlockwise from south

Question 2 The three-figure bearing of south-east is

- ◯ **A.** 045
- ◯ **B.** 090
- ◯ **C.** 135
- ◯ **D.** 225

Question 3 The bearing of B from A is 100. The bearing of A from B is

- ◯ **A.** 080
- ◯ **B.** 200
- ◯ **C.** 260
- ◯ **D.** 280

Question 4 The locus of points equidistant from two fixed points is

- ◯ **A.** a circle
- ◯ **B.** the perpendicular bisector of the line joining them
- ◯ **C.** an angle bisector
- ◯ **D.** a parallel line

Question 5 The locus of points 4 cm from a point is

- ◯ **A.** a circle of radius 4 cm
- ◯ **B.** a circle of diameter 4 cm
- ◯ **C.** a line
- ◯ **D.** a square

Question 6 On a 1:1000 map a distance is 5 cm. The real distance is

- ◯ **A.** 5 m
- ◯ **B.** 50 m
- ◯ **C.** 500 m

◯ **D.** 5000 m

Question 7 The view of a solid from above is the

◯ **A.** plan
◯ **B.** front elevation
◯ **C.** side elevation
◯ **D.** net

Question 8 The plan of a cone is

◯ **A.** a triangle
◯ **B.** a circle
◯ **C.** a square
◯ **D.** a semicircle

Question 9 The bearing 007 degrees means the direction is

◯ **A.** almost east
◯ **B.** almost south
◯ **C.** almost north
◯ **D.** due west

Question 10 The locus of points equidistant from two lines that cross is

◯ **A.** a circle
◯ **B.** the angle bisector
◯ **C.** a parallel line
◯ **D.** a point

Answer grid - Constructions, loci, bearings, plans and elevations

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Question	Answer	Explanation
1	**B**	Always clockwise from north.
2	**C**	Halfway between 090 and 180.
3	**D**	100 + 180 = 280.
4	**B**	Standard locus.
5	**A**	All points a fixed distance away.
6	**B**	5 x 1000 = 5000 cm = 50 m.
7	**A**	Plan view.
8	**B**	Seen from above it is circular.
9	**C**	Close to 000.
10	**B**	Equal distance from both arms.