

19 Multiple choice questions

1. an angle between 90 degrees and 180 degrees
 - a. right-angled
 - b. cosine rule
 - c. obtuse angle
 - d. included angle

2. a method of measuring lengths in an irregularly shaped field, using offsets to each corner of the field from a traverse line
 - a. radial survey
 - b. cosine rule
 - c. obtuse angle
 - d. offset survey

3. a survey where a compass is placed in the middle of a field and the true bearing and distance to each corner is measured
 - a. offset survey
 - b. compass bearing
 - c. radial survey
 - d. compass radial survey

4. a trigonometric formula used for triangle problems involving 3 sides and 1 angle
 - a. sine rule
 - b. cosine
 - c. cosine rule
 - d. sine

5. an angle of 90 degrees
 - a. right-angled
 - b. non right-angled
 - c. tangent
 - d. obtuse angle

6. the angle between two sides on a triangle
 - a. sine rule
 - b. included angle
 - c. quadrant
 - d. obtuse angle

7. a direction shown by points on a compass, such as north (N), south (S), west (W), east (E), NE, NW, SE and SW
 - a. cosine
 - b. true bearing
 - c. compass bearing
 - d. cosine rule

8. a triangle with no 90 degree angles
 - a. right-angled
 - b. non right-angled triangle
 - c. non right-angled
 - d. included angle

9. the angle between the horizontal and the line of sight, looking down
 - a. included angle
 - b. true bearing
 - c. angle of depression
 - d. angle of elevation

10. any angle that is not 90 degrees
 - a. obtuse angle
 - b. non right-angled triangle
 - c. right-angled
 - d. non right-angled

11. the angle between the horizontal and the line of sight, looking up
 - a. compass bearing
 - b. angle of depression
 - c. true bearing
 - d. angle of elevation

12. a ratio in a right-angled triangle of the adjacent side divided by the hypotenuse
 - a. cosine
 - b. cosine rule
 - c. sine
 - d. tangent

13. a survey where a table is placed in the middle of a field and the angle and distance to each corner are measured; also known as a plane table survey
- offset survey
 - cosine rule
 - compass radial survey
 - radial survey
14. a direction expressed as a three-digit angle measured clockwise starting from north
- sine rule
 - quadrant
 - true bearing
 - compass bearing
15. ratios that relate the sides of a right triangle to its angles; specifically, they are ratios of two sides of a right triangle and a related angle
- trigonometric ratio
 - true bearing
 - offset survey
 - sine rule
16. a quarter of a circle
- sine
 - cosine
 - tangent
 - quadrant
17. a ratio in a right-angled triangle of the opposite side divided by the adjacent side
- quadrant
 - cosine
 - tangent
 - sine
18. a trigonometric formula used for triangle problems involving 2 sides and the 2 angles opposite them
- cosine rule
 - sine
 - cosine
 - sine rule

19. a ratio in a right-angled triangle of the opposite side divided by the hypotenuse
- a. tangent
 - b. cosine
 - c. sine rule
 - d. sine