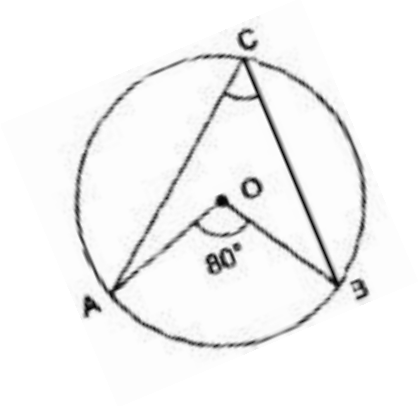
Talent Scholarship Foundation

Math's sample paper of class 9th

1. If the radius of a sphere is doubled, then what is the ratio of their surface area?

(a) 1 : 2
(b) 2 : 1
(c) 1 : 4
(d) 4 : 1

2. In the figure, if O is the center of a circle, then the measure of ∠ACB is:



(a) 80°
(b) 100°
(c) 40°
(d) 60°

3. The angle subtended by the diameter of a semicircle is:
(a) 45°
(b) 180°
(c) 90°
(d) 60°

4. If a triangle and a parallelogram are on the same base and between same parallels, then what is the ratio of the area of the triangle to the area of parallelogram?

(a) 1 : 2 (b) 3 : 2 (c) 1 : 3 (d) 4 : 1

5. Which point lies on the left of y-axis?
(a) (2, 0)
(b) (-2,-4)
(c) (5, 2)
(d) (3, 6)

6. $(-5+2\sqrt{5}-\sqrt{5})$ is
(a) an irrational number
(b) a positive rational number
c) a negative rational number
(d) an integer

7. $(16)^{3/4}$ is equal to
(a) 2
(b) 4
(c) 8
(d) 16

8. There are 5 red and 3 black balls in a bag. Probability of drawing a black ball is
(a) $\frac{5}{8}$ (b) $\frac{1}{2}$
(c) $\frac{3}{8}$ (d) None of these

9. If the probability of winning a game is 0.3, then probability of losing it is
(a) 0.6 (b) 0.7
(c) 0.5 (d) None of these

10. Find the mean of x + 77, x + 7, x + 5, x + 3 and x – 2?
(a) x + 8
(b) x + 18
(c) x – 8
(d) x – 18

Answer:-1(c) 2(c) 3(c) 4(a) 5(b) 6(a) 7(c) 8(c) 9(b) 10(b)