

NAME

CLASS

TOPIC CIRCLES

CHOOSE THE CORRECT OPTION.

1. A circle has a number of tangents equal to

- (a) 0
- (b) 1
- (c) 2
- (d) Infinite

2. A tangent intersects the circle at:

- (a) One point
- (b) Two distinct point
- (c) At the circle
- (d) None of the above

3. A circle can have _____ parallel tangents at a single time.

- (a) One
- (b) Two
- (c) Three
- (d) Four

4. The length of a tangent from a point A at a distance 5 cm from the centre of the circle is 4 cm. The radius of the circle is:

- (a) 3 cm
- (b) 5 cm
- (c) 7 cm
- (d) 10 cm

5. A line intersecting a circle in two points is called a _____.

- (a) Secant
- (b) Chord
- (c) Diameter
- (d) Tangent

6. The tangent to a circle is _____ to the radius through the point of contact.

- (a) parallel
- (b) perpendicular
- (c) perpendicular bisector
- (d) bisector

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