

Weird Circle Factoid Drills

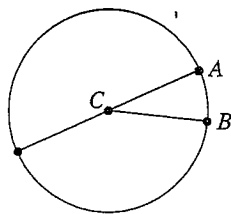
Easy

- 1 What is the area of a circle with a diameter of 20 inches?
- (A) 10
 - (B) 100
 - (C) 10π
 - (D) 20π
 - (E) 100π

Medium

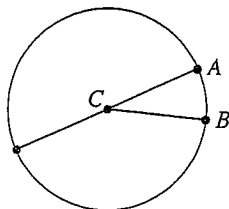
- 2 In the circle shown below, with 6-cm radius, if angle $\angle ACB = 30^\circ$, what is the length of arc AB ?

- (F) 1
- (G) π
- (H) 6π
- (J) 30
- (K) 12π



- 3 In the circle shown below, with 6-cm radius, if angle $\angle ACB = 30^\circ$, what is the **area** of sector ABC ?

- (A) π
- (B) 2π
- (C) 3π
- (D) 12π
- (E) 36π



- 4 The ratio of the radii of two circles is 2:3. What is the ratio of their circumferences?

- (F) 2:3
- (G) 4:9
- (H) 8:27
- (J) $2:\pi$
- (K) $\pi:3$

Hard

- 5 A 3-cm by 4-cm rectangle is inscribed in a circle as shown below. What is the circumference of the circle?

- (A) 5
- (B) 10
- (C) 5π
- (D) 10π
- (E) 25π

