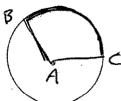
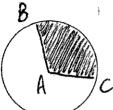
- 1. In the figure below, BC is the arc of a circle with center A. If the radius of the circle is 12 and the length of arc BC is 8π , what is the measure of angle BAC?
 - (A) 100°
 - (B) 120°
 - (C) 135°
 - (D) 145°
 - (E) 160°



- 2. In the figure below, if the radius of the circle is 10 and the area of the shaded sector is 30π , what is the measure of angle BAC?
 - A. 90°
 - B. 100°
 - C. 108°
 - D. 116°
 - E. 126°



- 3. In the figure below, BC is the arc of a circle with center A. If the diameter of the circle is 18 and the length of arc BC is 4π , what is the measure of angle BAC?
 - (A) 70°
 - (B) 75°
 - (C) 80°
 - (D) 85°
 - (E) 90°



- 4. In the figure below, if the radius of the circle is 12 and the area of the shaded sector is 12π , what is the measure of angle BAC?
 - A. 40°
 - B. 36°
 - C. 35°
 - D. 30°
 - E. 25°



Answers:

- 1. B
- 2. C
- 3. C
- 4. D