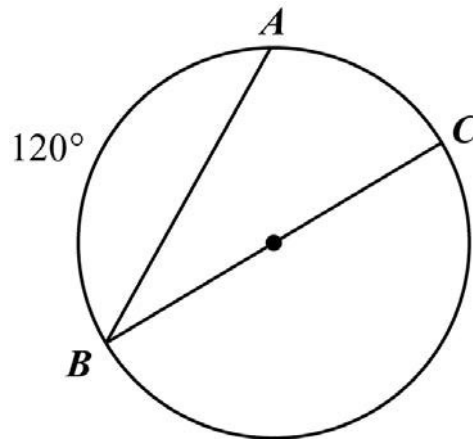


**SAMPLE ITEMS**

1. Circle  $P$  is dilated to form circle  $P'$ . Which statement is ALWAYS true?
- A. The radius of circle  $P$  is equal to the radius of circle  $P'$ .
  - B. The length of any chord in circle  $P$  is greater than the length of any chord in circle  $P'$ .
  - C. The diameter of circle  $P$  is greater than the diameter of circle  $P'$ .
  - D. The ratio of the diameter to the circumference is the same for both circles.

Correct Answer: D

2. In the circle shown,  $\overline{BC}$  is a diameter and  $m\widehat{AB} = 120^\circ$ .



What is the measure of  $\angle ABC$ ?

- A.  $15^\circ$
- B.  $30^\circ$
- C.  $60^\circ$
- D.  $120^\circ$

Correct Answer: B