Arc Length and Sector Area

Use the circle to determine the length of the arcs. Leave answers in terms of pi.

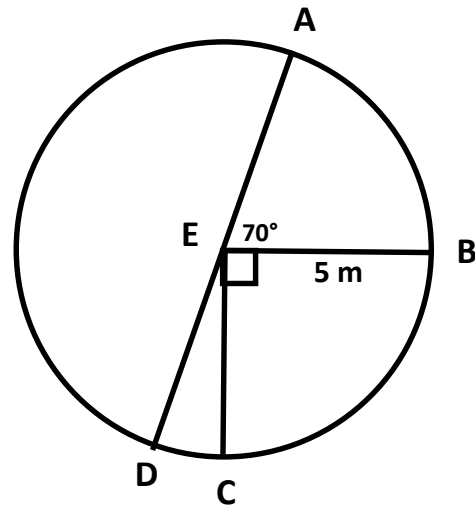1. $\widehat{AB}$ =

2. $\widehat{CD}$ =

3. $\widehat{CB}$ =

4. $\widehat{CAD}$ =

5. $\widehat{BCA}$ =

6. $\widehat{DA}$ =

7.   When a radio knob is turned from off to volume 7, it rotates 110°. What is the arc length from the off position to volume 7?