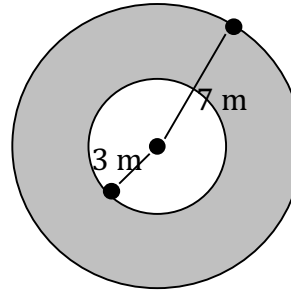


Objective: Determine the arc length and area of a sector of circles.

Warm Up:

Find the area of the shaded region.

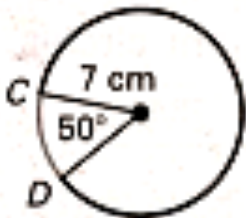


Vocabulary:

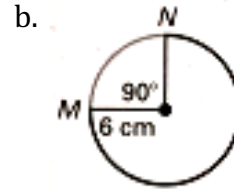
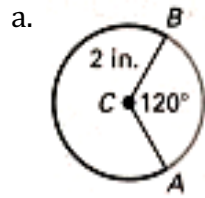
Arc Length: A fractional part of a circle's circumference.

Area of a Sector: A fractional part of a circle's area.

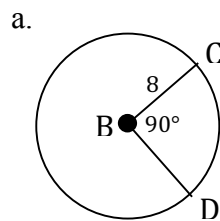
Example 1: Find the length of the minor arc and area of the sector.



Example 2: Determine the length of the minor arc.



Example 3: Find the area of the sector:



Example 4: Find the area of the shaded segment.

