

The background features several large, stylized arcs in purple, green, and light blue. Scattered throughout are numerous small, yellow triangles pointing in various directions, creating a dynamic and colorful effect.

Arc Length and Sector Area

To find Arc Length...



- An arc of a circle is **part** of a circle's **circumference**.

Example:

WHAT'S ANOTHER WORD FOR **PART**?
(What does it look like in math?)

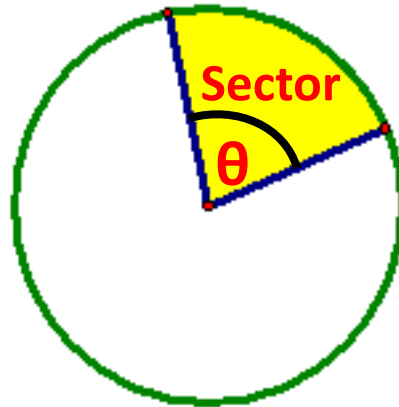
To find Sector Area...

- Since a **sector** of a circle is **part** of a **whole** circle...
- **SECTOR AREA is PART of the Whole Area**

Example:

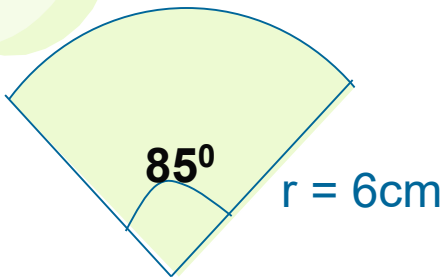


VS
VERSUS

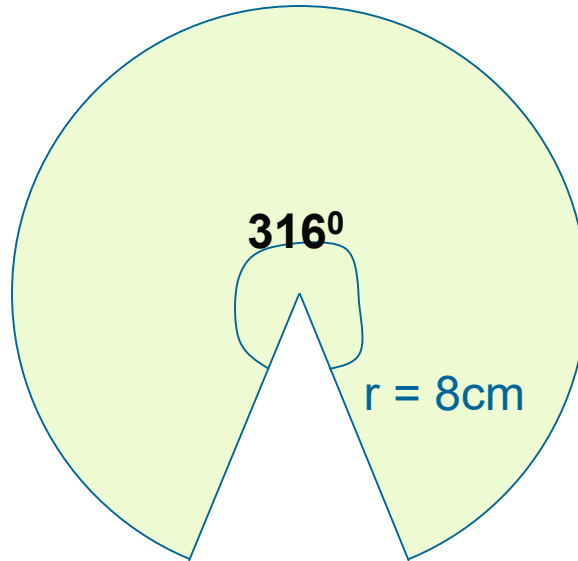


Whole Area = πr^2

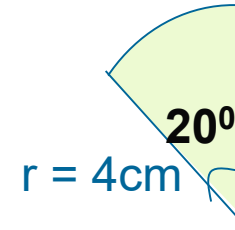
Calculate the **length** and **area** of each sector below:



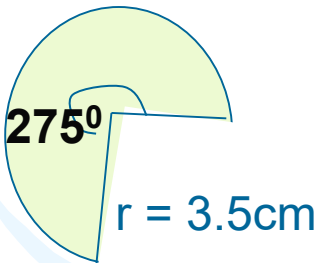
1: _____



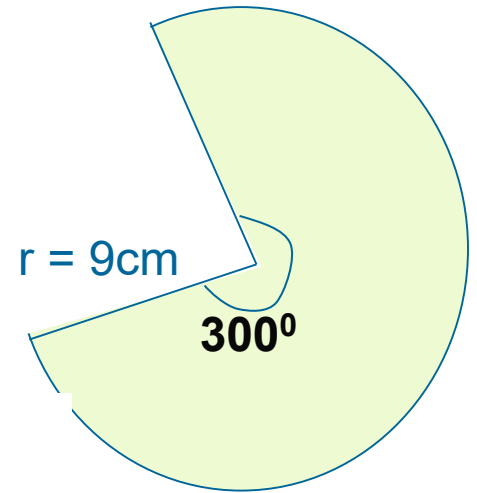
2: _____



3: _____



4: _____



5: _____