



**College
Mathematics
CCS-123**

Circles

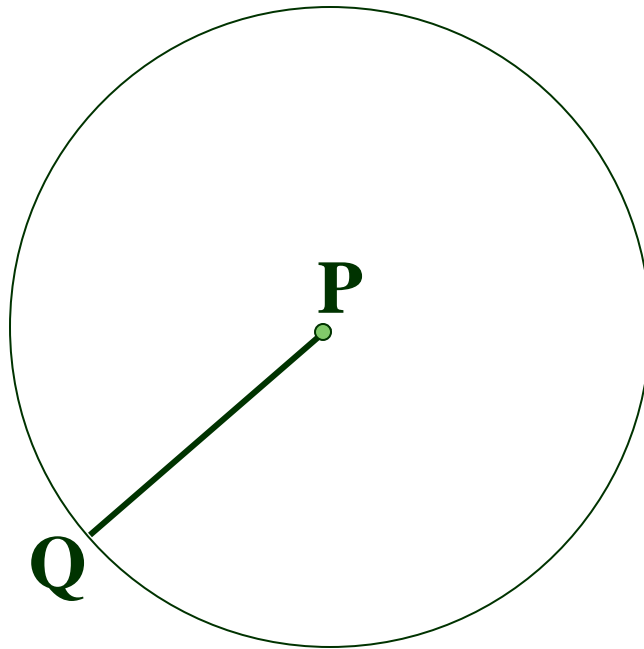


INTRODUCTION

Objective : To identify some concepts of the circle such as center, chord, diameter and radius.



CONTENTS



Circles

Diameter

Chord

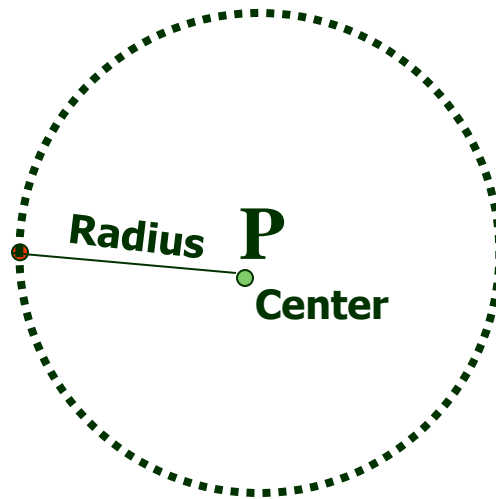
Concepts on Circle

Quiz



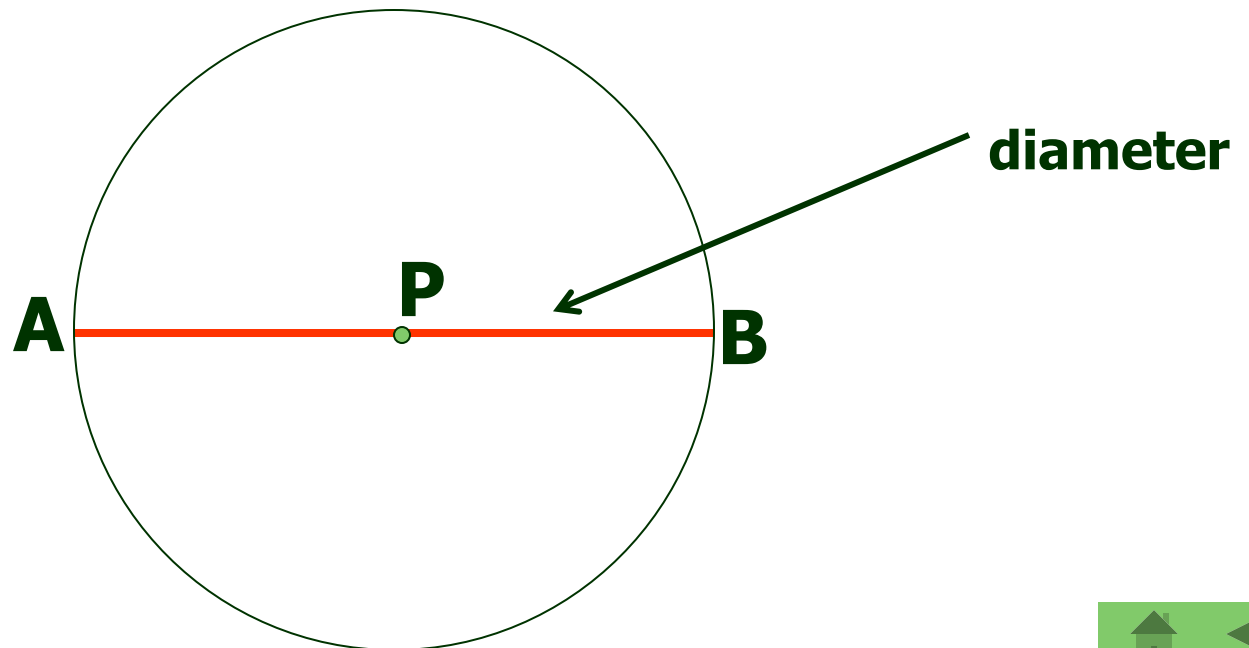
Circles

A **circle** is the set of all points in a plane that are at a given distance from a given point. The given point **P** is called the **center** of the circle and the given distance is called the **radius** of the circle.



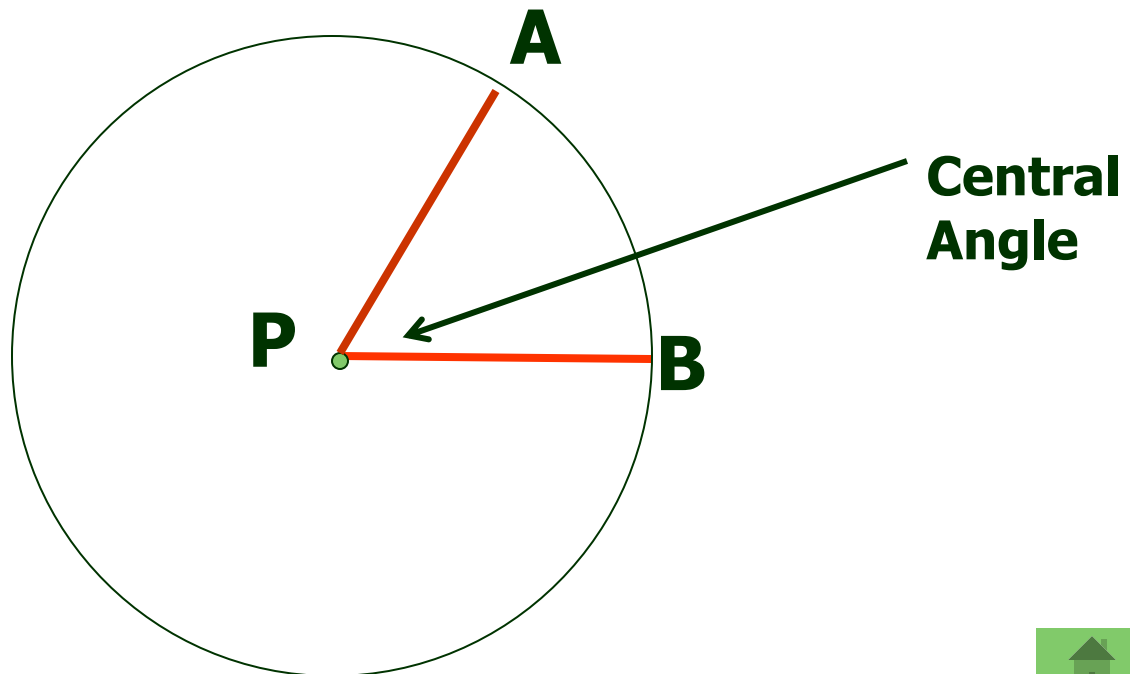
Diameter

A **diameter** is a line segment that connects two points on the circle and goes through the center of the circle.



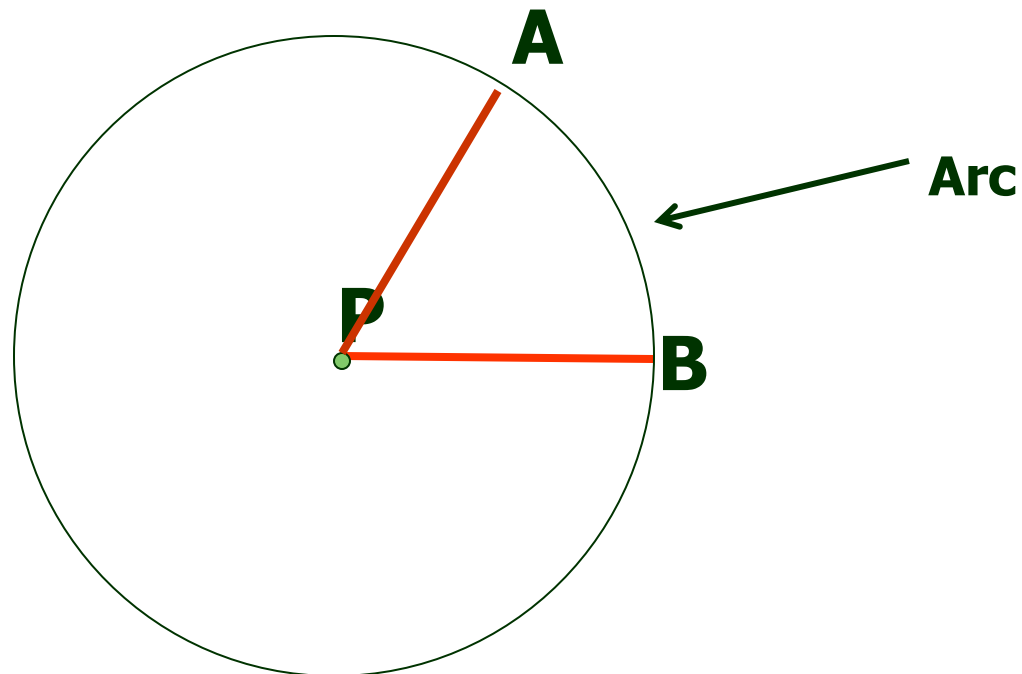
Central Angle

A **central angle** is an angle whose vertex is the center of the circle..



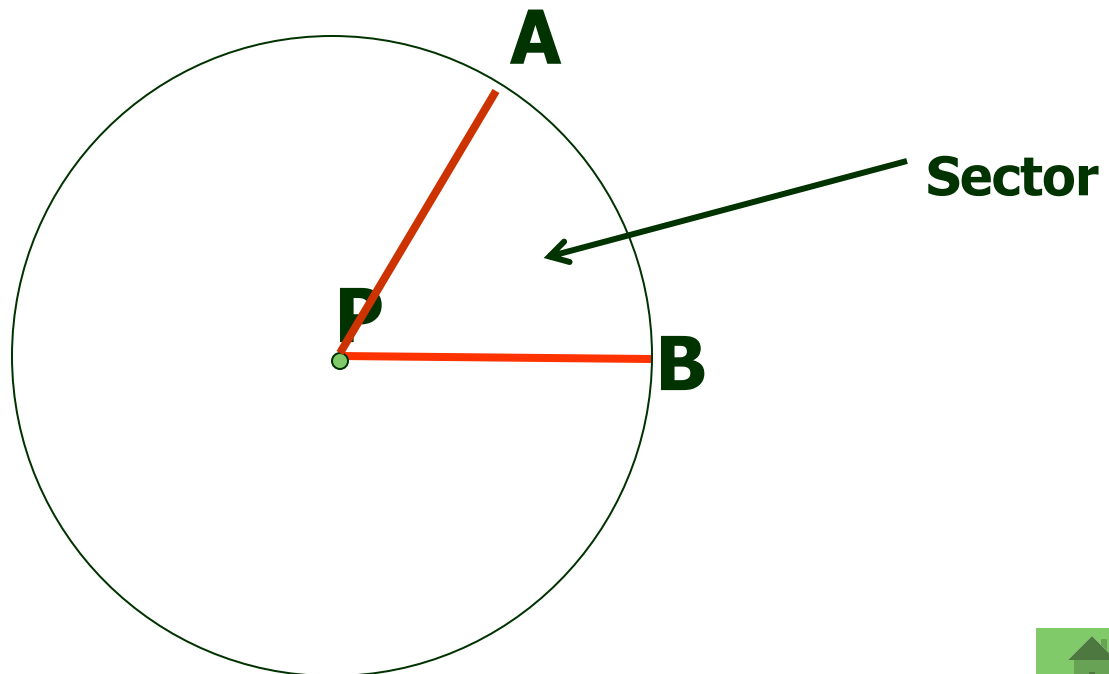
Arc

An **arc** is part of a circle connecting two points of the circle.



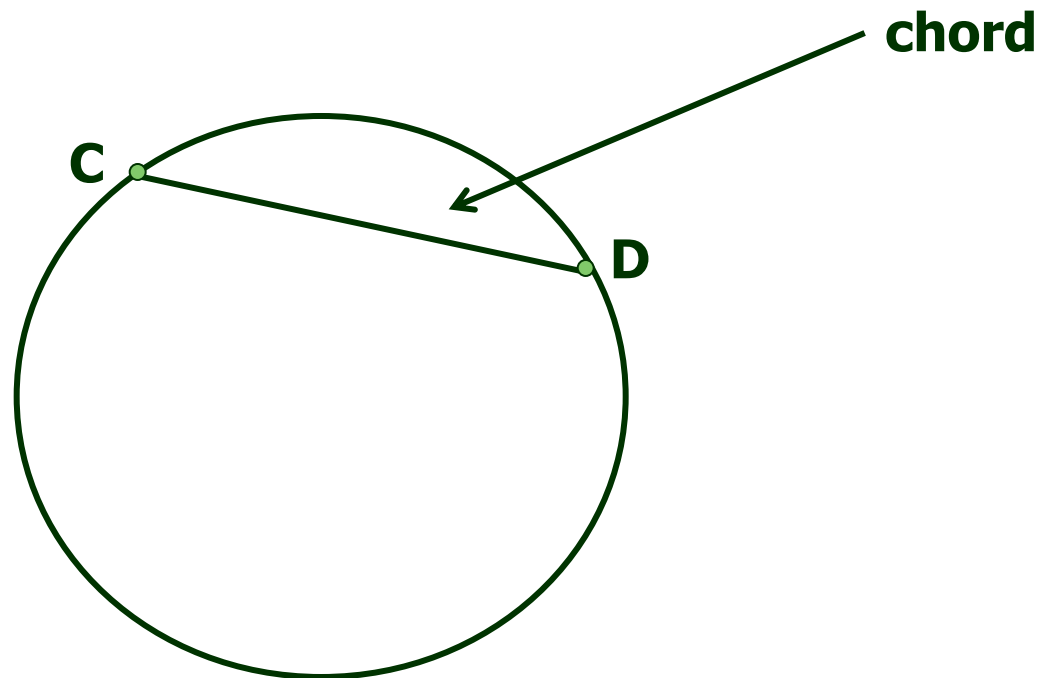
Sector

A **sector** is a region contained by two radii and an arc.

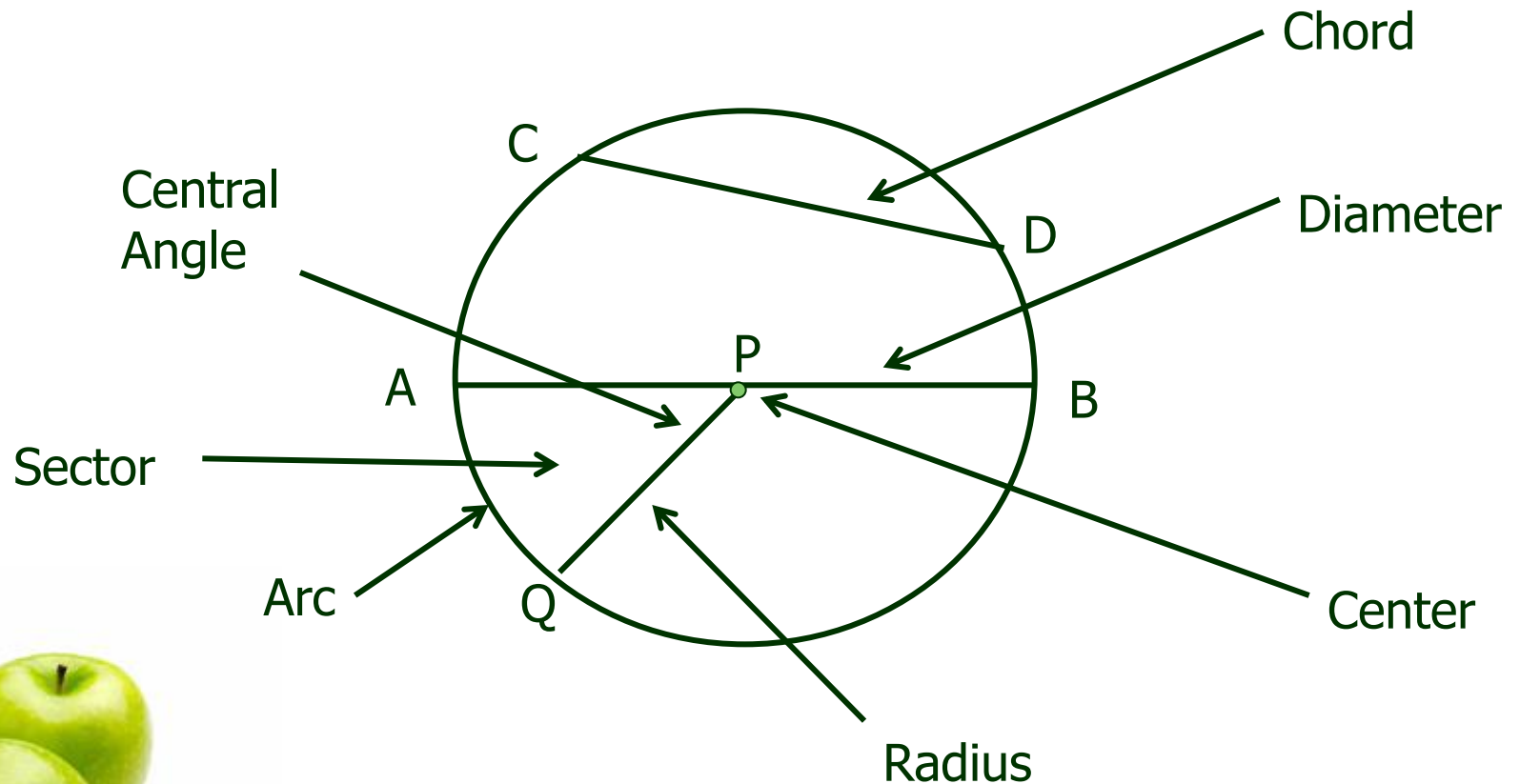


Chord

A chord of a circle is a segment whose end points lie on the circle.



Concepts on circle



Quiz

Choose the correct answer.

1. The longest chord of a circle is a
 - A. diameter
 - B. radius
 - C. segment



Quiz

Choose the correct answer.

2. The distance between the center and a point on the circle is called

A. diameter

B. chord

C. radius



Quiz

Choose the correct answer.

3. The part of a circle connecting two points of the circle is the

A. central angle

B. sector

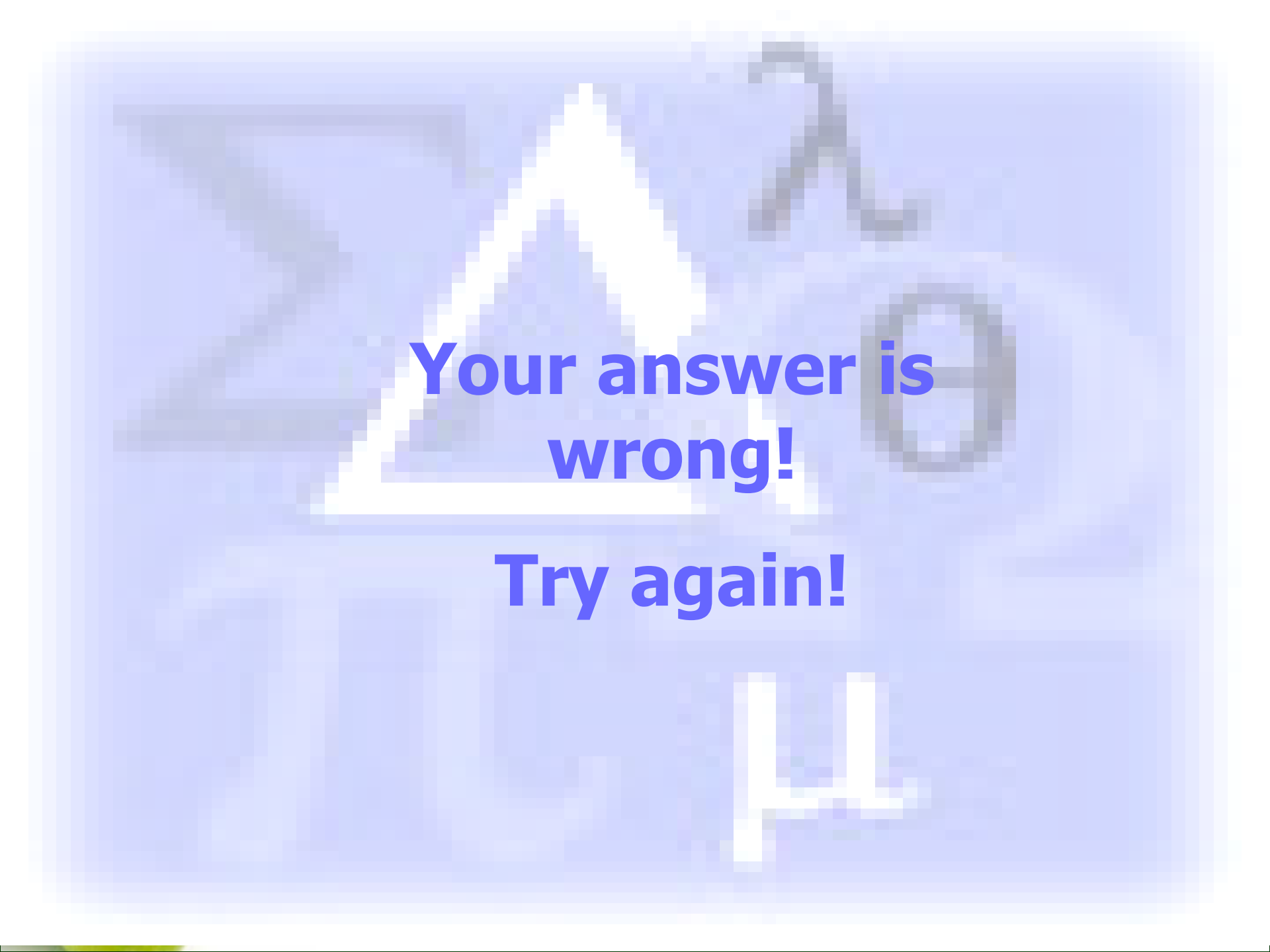
C. arc



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THANK YOU

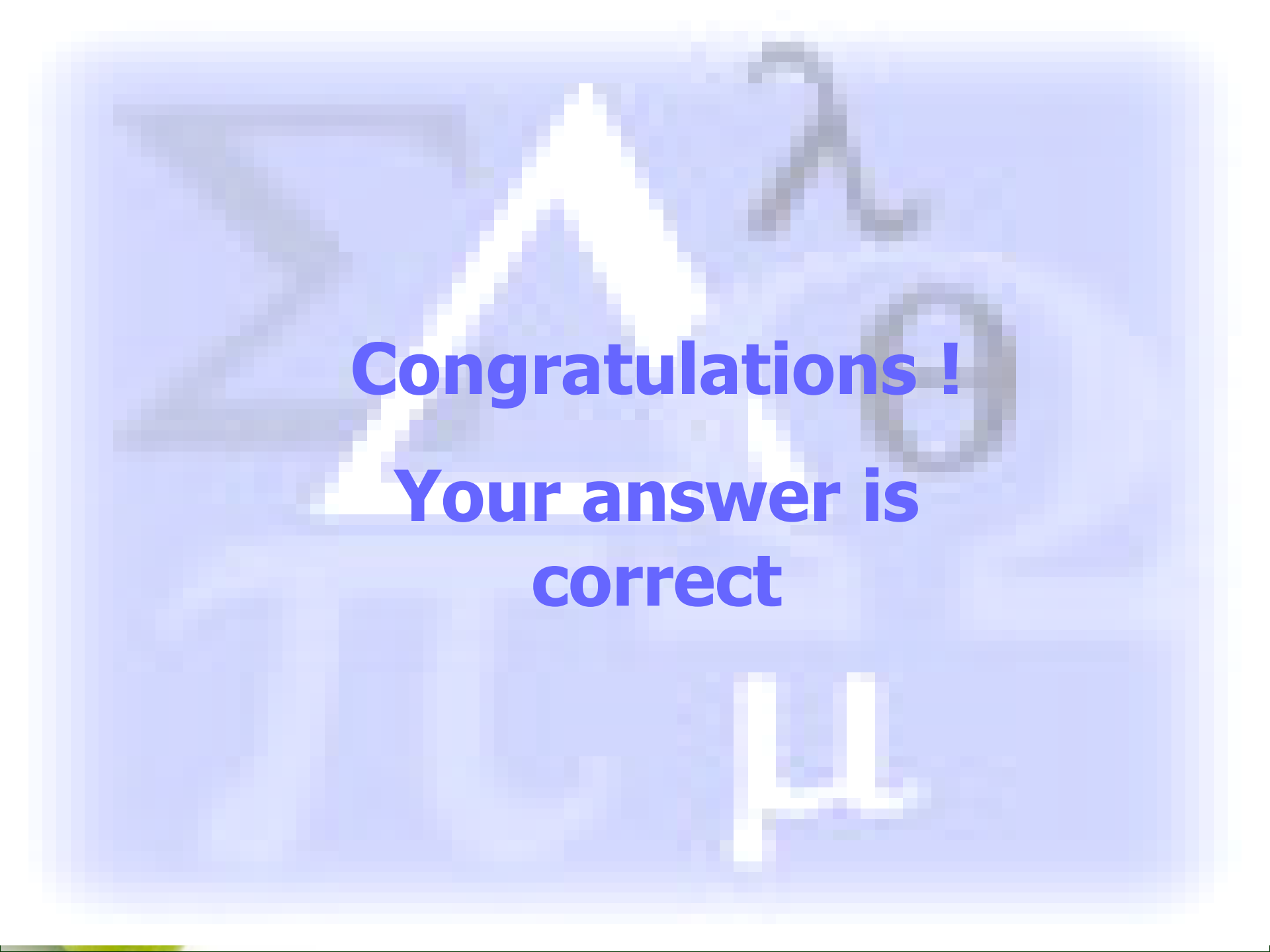




**Your answer is
wrong!**

Try again!





Congratulations !
Your answer is
correct