

Radian Measure using Geogebra

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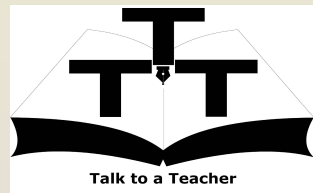
Talk to a Teacher Project

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Radian Measure using Geogebra

Lesson Objectives

The objective of this tutorial is to introduce you to The Geogebra Input Bar and use of commands in the input bar through a lesson on radians

Lesson Objectives

Geogebra beginners – please refer to
Introduction to Geogebra and Angles and
Triangles Basics

Lesson Objectives

In this tutorial, I have worked on Ubuntu version 10.04 LTS and Geogebra version 3.2.40.0

Lesson Outline

Understand what a radian means and how to draw a radian

Lesson Outline

Understand the relationship between length of an arc and the angle it subtends

Lesson Outline

Complete an assignment to calculate the area of a sector

Lesson Outline

We will use the following tools in
Geogebra

Lesson Outline

Circle with centre and radius, Circular arc
with centre between two points and
Segment between two points

Lesson Outline

The drawing commands can be used in another way by typing commands in the input bar

Assignment

Using what we have learnt, show how the area of a sector will be $\text{Area} = \frac{1}{2} a^2 \theta$

Assignment

“a” is the radius, “ θ ” is the angle subtended at the centre in radian. Hint – compare the area of the sector to the quadrant

Acknowledgement

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Acknowledgement

More information:

<http://spoken-tutorial.org/NMEICT-Intro>



Acknowledgement

Thank you

