

# Introduction to Trigonometry using GeoGebra

**Spoken Tutorial Project**

<http://spoken-tutorial.org>

**National Mission on Education through ICT**

<http://sakshat.ac.in>

**Vidhya Iyer**

**IIT Bombay**

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# Learning Objectives



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**We will learn how to construct,**



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We will learn how to construct,

- A unit circle



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We will learn how to construct,

- A unit circle
- A right triangle inside the unit circle using GeoGebra



# Pre-requisites



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- **GeoGebra interface**



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- **GeoGebra interface**
- **basics of geometry, trigonometry and graphs**



# System Requirement



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- **Ubuntu Linux OS v 14.04**



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- **Ubuntu Linux OS v 14.04**
- **GeoGebra 5.0.388.0-d**



# Summary

To summarize, we have learned how to use GeoGebra to,

- Construct a unit circle and a right triangle inside it



# Assignment

- Try constructing circle with radius 2 and 3 units
- Draw right triangles in these circles
- Also try different styles, opacity and thickness



# About the Spoken Tutorial Project

- Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- It summarizes the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Forum for specific questions

- Do you have questions in **THIS Spoken Tutorial?**
- Please visit <http://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



# Acknowledgements

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- More information on this Mission is available at

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

