

Theorems in GeoGebra

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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18 December 2018



Learning Objectives



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We will state and prove,



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- **Pythagoras theorem**



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- **Midpoint theorem using GeoGebra**



System Requirement



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- **Ubuntu Linux OS v 16.04**



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- **GeoGebra v 5.0.438.0-d**



Pre-requisites



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- **Learner should be familiar with GeoGebra interface**



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- **Learner should be familiar with **GeoGebra** interface**
- **For the prerequisite **GeoGebra** tutorials, please visit **www.spoken-tutorial.org****

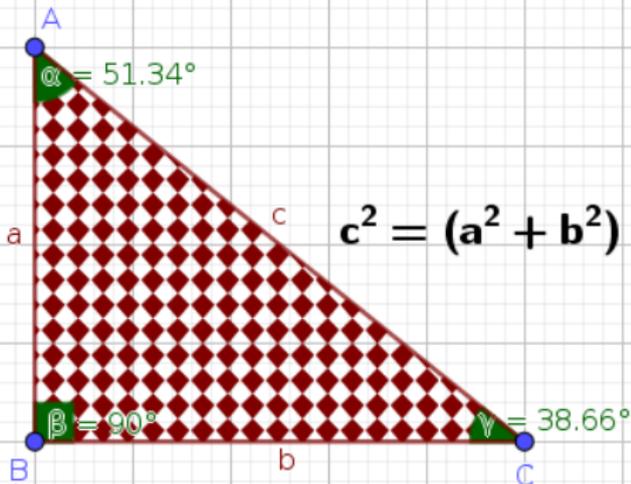


Pythagoras Theorem



Pythagoras Theorem

The square of the hypotenuse
(the side opposite to the right angle)
is equal to the sum of the squares
of the other two sides.

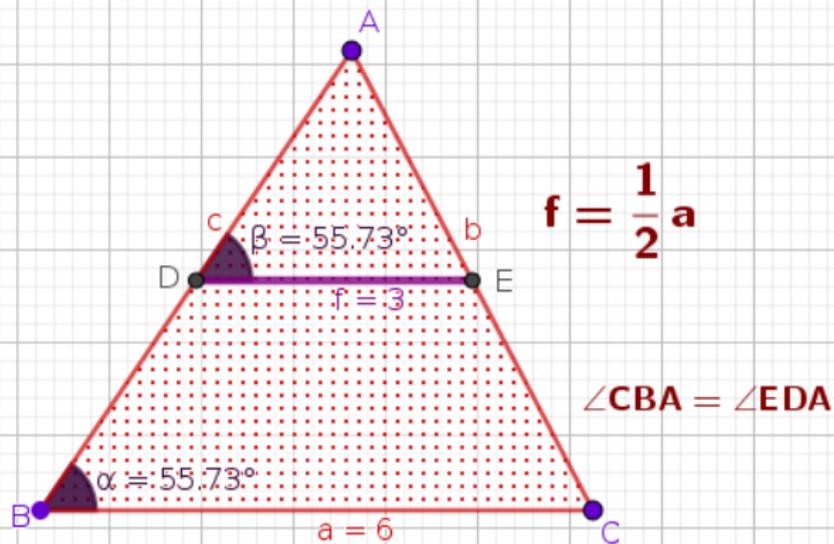


Midpoint Theorem



Midpoint Theorem

Line segment joining the mid-points of any two sides of a triangle is parallel to the third side and half of it.



Assignment



Assignment

- 1 In a right triangle, the altitude is the geometric mean of the two segments of the hypotenuse



Summary



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We have stated and proved,

- **Pythagoras** theorem
- **Midpoint** theorem using GeoGebra



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises 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



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

- **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- **More information on this Mission is available at**

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

