

S.P.V.V.S'S

**G.P.PORWAL ARTS, COMM AND
V.V.SALIMATH SCIENCE COLLEGE
SINDGI-586128**

Dist:Vijayapur

Karnataka State

DEPARTMENT MATHEMATICS

RPROJECT WORK

*This is to certify that Kumar/Kumari
student of B.Sc I /III / V SEM satisfactorily completed the
practical work in Mathematics [Hippocrates] under
my supervision at our college Laboratory in prescribed by
RANI CHANNAMMA UNIVERSITY BELAGAVI
during the academic year 2022-2023.*


H.O.D

Dept. of Mathematics
P.P.A.T. Commerce & V.V. Salimath
College, SINDGI-586128.

Participated Students
Bhagyashree Ilager
Sruthi Angadi
Keerti Kamble

Hipparchus.



Born: C. 190 BC
Nicaea, Kingdom of Bithyn
[Modern-day iznik, Turkey]

Died: C. 120 BC

Occupation: Astronomer.
Mathematician.
Geographer.

Hipparchus was a Greek astronomer, geographer, and Mathematician.

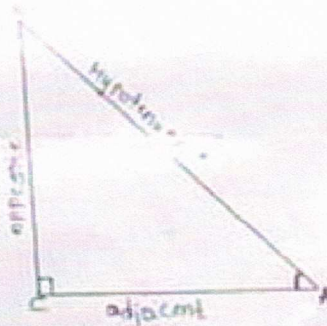
- * He is considered the "father of Trigonometry"
- * He developed trigonometry and constructed trigonometric tables, and he solved several problems of spherical trigonometry.
- * Trigonometry is a branch of Mathematics that studies the relationship between the sides and angles of right-angled triangles.
- * Trigonometry plays an important role in all the fields, whether it's navigation, physics, criminology, military etc. Trigonometry is used for finding the angles and sides of triangles.
- * The six main functions of an angle that are commonly used in trigonometry are: Sine, Cosine, tangent, Cotangent, Secant, Cosecant.

Conclusion:

Trigonometry is the branch of Mathematics that studies the relationship between angles and sides of a triangle. It is possible to calculate the heights of large mountains or structures using trigonometry.

Trigonometry Used in our daily life:

- * Trigonometry can be used to measure the height of a building or mountains.
- * Trigonometry is used in video games.
- * Trigonometry is used in construction.
- * Trigonometry is used in flight engineering.
- * Trigonometry is used in physics.
- * Archeologists use trigonometry.
- * Trigonometry is used in criminology.
- * Trigonometry is used in navigation.



$$\cos(A) = \frac{\text{adjacent}}{\text{hypotenuse}}$$

$$\tan(A) = \frac{\text{opposite}}{\text{adjacent}}$$

Hipparchus. [Father of Trigonometry]

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Place: Nicaea kingdom of Bithyn. Turkey

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Hipparchus was Greek astronomer, geographer and mathematician

- * He is considered "father of ~~Geometry~~ trigonometry"
- * He developed trigonometry and constructed trigonometric tables and he solved several problems of spherical trigonometry.
- * Trigonometry is a branch of mathematics that studies the relationship between ratios of right-angled triangle's sides & its angles.
- * Trigonometry plays an important role in all the fields, whether it's aviation, physics, criminology, military etc.
- * The six main functions of an angle that are commonly used in trigonometry
 - * Sine
 - * Cosine
 - * Tangent
 - * Cotangent
 - * Secant
 - * Cosecant.

Conclusion:

Trigonometry is a branch of mathematics that study the relationship b/w angles and sides of triangle. It is possible to calculate the heights of large mountains or structures using trigonometry.

Trigonometry used in our daily life


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Head

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