

Right-Angled Triangle Side Relationship Teacher Resource

What we know as Pythagorean's Theorem for right triangles ($a^2 + b^2 = c^2$) was actually discovered, used, and proven in many cultures independent of Ancient Greece.

See below for resources.

Ancient Babylon

- [Oldest known proof](#)
- [Use in surveying land](#)

Ancient China:

- [Gougu theorem](#)
- [Desmos activity featuring a visual proof of the Gougu theorem](#)

Ancient Egypt:

- [Use of 3-4-5 right triangles in the building of the Great Pyramids](#)

India:

- [Baudhayana: The Original Mathematician Behind Pythagorean Theorem](#)

Additional Resources:

- [A brief history of the Pythagorean Theorem](#)
- [Pythagoras: Everyone knows his famous theorem, but not who discovered it 1000 years before him](#)
- [Right-angle triangle activities & lessons within a North American First Nations context](#)