

Trigonometry in Global Geography

Trigonometry · Answer Key · 3 Questions

1. Which historical endeavor famously used trigonometric principles to accurately measure the height of Mount Everest and other Himalayan peaks?

- A) The Trans-Siberian Railway Survey
- B) The Great Trigonometric Survey of India**
- C) The Amazon River Mapping Project
- D) The Sahara Desert Expedition

2. The ancient Greek mathematician Eratosthenes is known for using basic trigonometric principles to estimate what global measurement?

- A) The distance to the Moon
- B) The Earth's circumference**
- C) The width of the Mediterranean Sea
- D) The height of the pyramids

3. What is the primary application of spherical trigonometry in modern global positioning and navigation?

- A) Predicting weather patterns for shipping routes
- B) Calculating precise distances and positions on Earth's curved surface**
- C) Designing efficient agricultural irrigation systems
- D) Analyzing seismic wave propagation