

Name \_\_\_\_\_

## Pythagoras' Mathematical Odyssey: From Triangles to Mysticism

### Short Answer Key

1. The Pythagorean theorem states that in a right-angled triangle, the square of the length of the hypotenuse is equal to the sum of the squares of the other two sides. It is significant because it revolutionized geometry and trigonometry.
2. Pythagoreanism emphasized the importance of numbers, harmony, and the immortality of the soul. These beliefs were intertwined with the idea that the universe was governed by mathematical principles, and they influenced both mathematics and spirituality.
3. Pythagoras traveled to Egypt and Babylon to study with priests and sages. He gained knowledge about ancient wisdom, mathematics, and philosophical ideas during his travels.

