

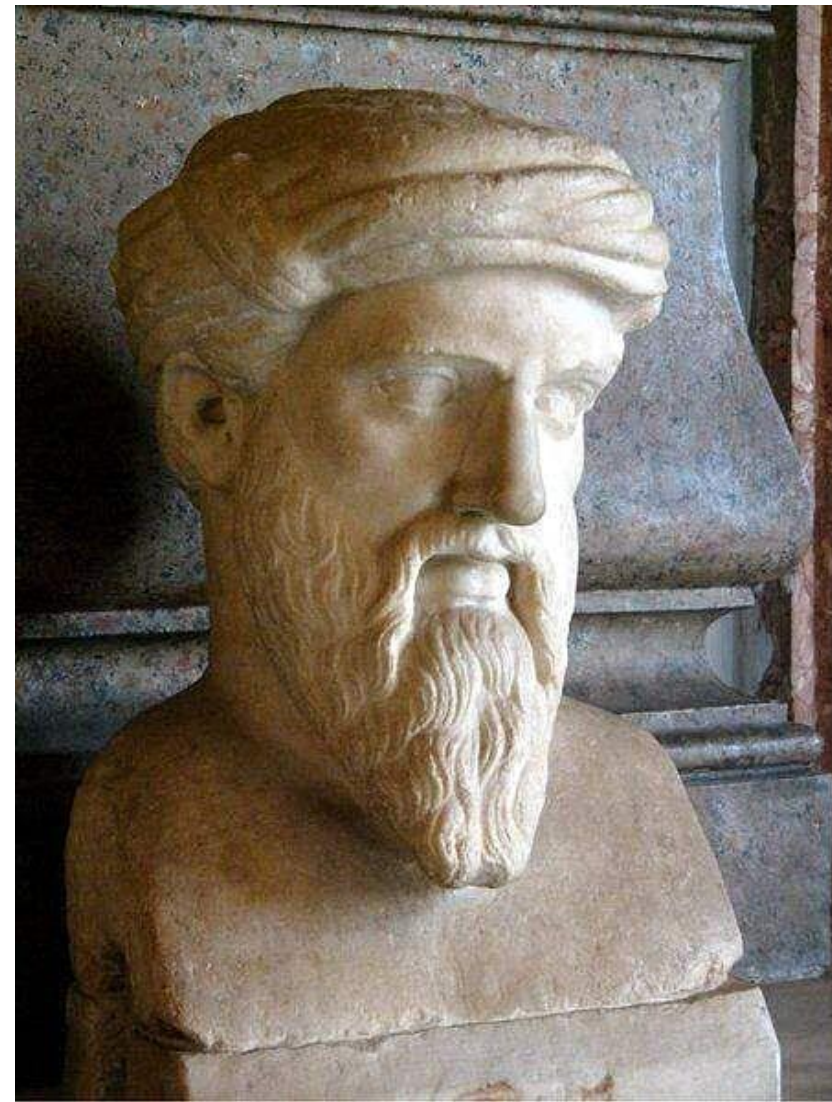
PYTHAGORAS OF SAMOS

Biography

- Born about 569 BCE in Samos (an island in the Aegean Sea)
- Died around 496 BCE

Most famous for a mathematical theorem he did not discover himself

- ↳ The theorem now known as Pythagoras's theorem was known to the Babylonians 1000 years earlier but he may (no confirmation) have been the first to prove it.
 - ↳ Pythagorean Theorem: a mathematical formula which states that the square of the hypotenuse of a right triangle is equal to the sum of the squares on the other two sides.



Philosophy (major Ideas)

All existing objects were fundamentally composed of form and not of material substance.

Humans are the measure of all things (Relativistic Theory)

The brain is the center of the soul

Religious beliefs:
Souls are immortal and transferable between humans and animals

Looked at the role numbers played in music

↳ Harmony, after all, depends on numerical ratios.

↳ Theories lead him to believe that all **the world is made up of numbers** (figuratively, of course)

↳ Not as crazy as it sounds. From quasars to the weather, numbers play a central role to our understanding of the world. It is how we measure things.