

Deductive and Inductive Reasoning



Overview of problems



Example Set: A

Determine if the arguments are based on deductive or inductive reasoning. Do you believe the logic to be sound? explain.

Two things are certain in life- death and taxes!

All whales live in water. I'm looking for a whale. When I find a whale it will be in water.

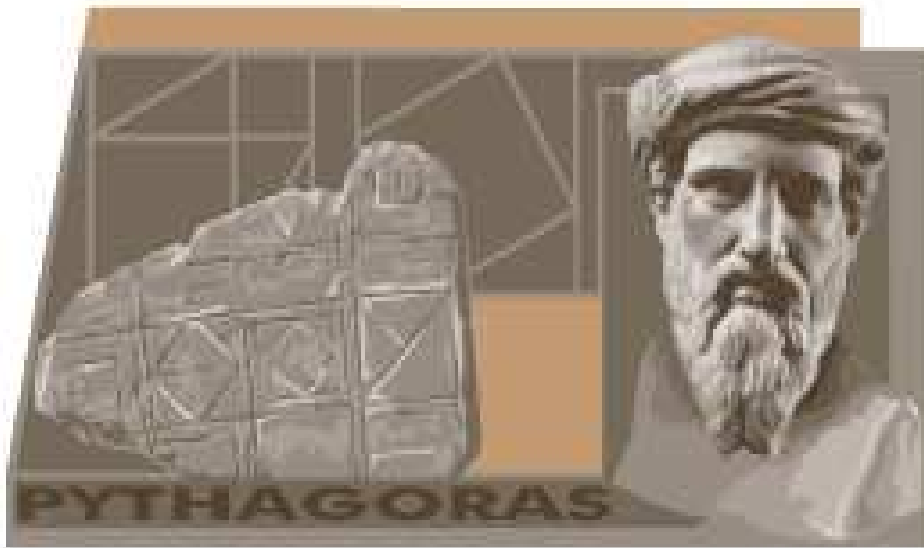
Don't put your hand in the fire. It will burn you.

When it rains the grass tends to grow. When the grass grows I need to cut it. It's raining so I should expect to cut the grass.



Example Set: B

Research "Pythagoras". What are some key contributions he made to mathematics?



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Overview of problems- KEY



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inductive, sound

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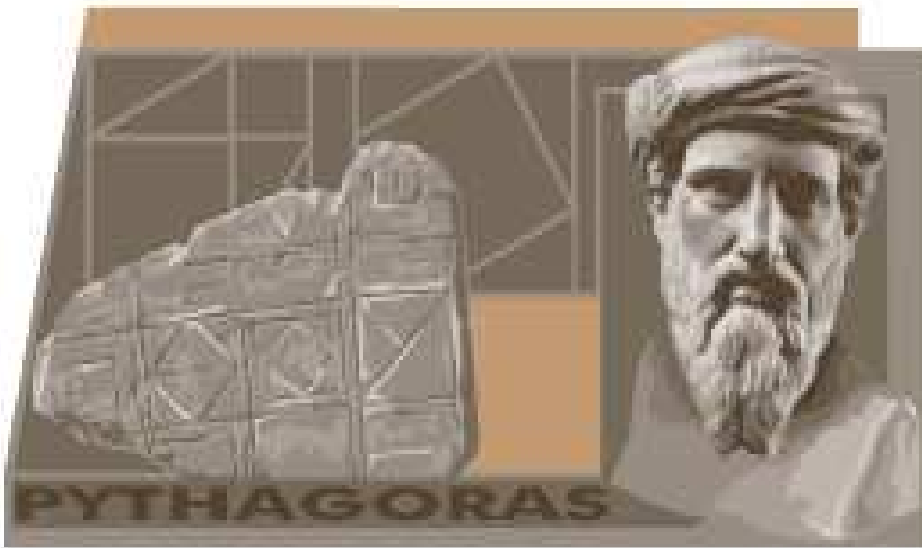
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- Pythagorean Theorem
- First mathematical proof