History of Mathematical Ideas
Quiz 1

Name:_____

You have 10 minutes to complete this quiz. If you have a question raise your hand and remain seated. In order to receive full credit your answer must be **complete**, **legible** and **correct**. Show your work, and give adequate explanations.

1. State and prove the Pythagorean Theorem.

Theorem. The sum of the squares of the lengths of the legs of a right triangle equals the square of the hypotenuse.

There are many correct proofs of this theorem. We have seen
  (1) A proof without words.
  (2) The Bride's Chair proof.
  (3) Garfield's proof.
  (4) Euclid's second proof (Exercise 1.4.2).
In this problem, you could have described one of these proofs or any other proof.