

Quiz 1. Math 10-270. January 26, 2011. Name

Each question will receive a maximum of 10 points. Your score will depend on the accuracy and completeness of the answer. *Much is asserted, both valid and not, about the issues below, about the Parthenon in particular. If your answer involves assertions that are not in the text, I ask that you provide your source.*

1a) Describe some of the mathematics that the Babylonians developed and what use they made of it.

1b) Describe some of the buildings that the Egyptians constructed and what the principal characteristics of each of them are.

2. Describe the remarkable architectural features of the Parthenon.

3. The four right triangles in the figure below are congruent. The sides of each of them have lengths a , b , and c respectively. Determine the size of the inner square and use the figure to verify the Pythagorean Theorem.

