MA 330.001 (Alberto Corso)
History of Mathematics
Quiz # 2

Name: _____

pts:

/30

1. Thales of Miletus is considered to be the father of Greek mathematics. What can you tell about him? Which mathematical results is he credited with?
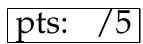
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2. What did the Pythagorean philosophy rest on? What are "figurate numbers"? Give some of their properties?

pts: /5

3. Explain the following comment of Aristotle: "If we assume that the diagonal and the side of a square are commensurable, then odd numbers will be equal to even ones."

pts: /5

4. Explain what it means to square a plane figure. Explain the construction that yields the quadrature of a rectangle.

pts: /5

5. What is a "lune"? State Hippocrates' Theorem and sketch the strategy of its proof. Which results are needed in the argument?

pts: /5

6. Give some examples of Zeno's Paradoxes.

pts: /5