Practice Test #1

True or False, and give a brief explanation

- # 1. Any fractions can be written as a sum of fractions with numerator 1
- #2. V20 and V45 are not commensurable
- 23. The Babylonians did not know how to write of lent the Egyptians dial
- #4. The laws of physics and chemistry are just as true as the Pythagorean theorem.
- # 5. Archimedes is known as the "Father of Mechanics"
- #6. There are infinitely many perfect numbers
- *7. Prove that a triangle inscribed in a circle with the diameter as its base must be a right triangle
- *8. Using the given point as a focus and the line as directrix, sketch a hyperbola with eccontricity 2 (plot at least four points
- #9 Write a short sonagraph discussing why Euclid's "Elements" is so important