

Math4020 Pythagorean Theorem Assignment

Complete these exercises about Pythagoras and his famous theorem. (*Note: This work can be put directly into your portfolio after this, if done neatly and well. You might want to have a separate copy in addition to what you turn in since I'll likely write some comments on what you turn in.*)

1. Type a brief history, one page, of Pythagoras and his work (double-spaced). Include at least three interesting facts about him.
2. Make a page of his famous theorem written in words, mathematical symbols, and illustrated geometrically.
3. Present three different proofs. (You're welcome to look online or use the proofs that you did in your homework, but your assignment **MUST** be written in your own words and it must be presented in a manner that clearly demonstrates your understanding of what you've written. Choose carefully.)
4. Create two word problems that can be solved by Pythagorean Theorem and then show how to solve them, including the work and solution. Be sure each problem asks for a different part of the triangle as the solution.