

History of Mathematics

Fourth Homework:

Due Monday 14 February 2022.

Math 629

8 February 2022

To hand in: We are using Gradescope for homework submission.

1. Do exercises 5.4.5 and 5.4.6 in Stillwell. The webpage includes some discussion of hyperbolic functions that you will need. (I assume that you know everything about the sine and cosine functions.)
2. Rational triangles. Do the exercises in Stillwell: 5.6.1, 5.6.2, 5.6.3, and 5.6.4.
3. Prove Thabit's generalization of Pythagoras' Theorem. Here is a picture for you:

