

Assignment 5: Week of February 5

Greek Mathematics

Reading: Calinger: readings 8, 11, 12, 15, 16, 17, 18 (hard, give it a try), 19. Rossi's notes, pp. 5-10. Biographies of Hippocrates of Chios, Plato, Aristotle

Problems. Due Thursday, Feb 15.

Write out clear, careful proofs of the following theorems.

1. A triangle inscribed in a circle, with one side a diameter, is a right triangle.

2. The square root of two is irrational.