Math 307
HW 1: Due Friday, January 22nd

Section 1.1: 2, 3, 4, 6, 9

Section 1.2: 2, 3, 5, 6, 7 (parts (a) through (d) only)

Proof without words: the Pythagorean theorem (distributed in class). Write a proof of the Pythagorean theorem: for a right triangle with sides \(a\) and \(b\) and hypotenuse \(c\), we have

\[a^2 + b^2 = c^2\]

using the idea in the handout.