

# Homework 1

Due: Monday Sept 9th 2019

Geometry for Teachers, MTH 623, Fall 2019

Instructor: Abhijit Champanerkar



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**Reading** Read Sections 1.1, 2.1, 2.2 from the text book.

**Problems** Solve the following problems.

1. Pg 7 # 1d (This is the spherical Pythagoras Theorem),
2. Pg 7 # 1f
3. Pg 8, # 3c (for sphere of radius  $R$ , scale the sides to unit sphere by dividing by  $R$ )
4. Pg 8, # 2a (for sphere of radius  $R$ , scale the sides to unit sphere by dividing by  $R$ )

**Write up** Please type your write-up.

1. Pg 34, # 1 Write half a page about any one of Euclid's predecessors.
2. Pg 34, # 2 Write half a page about any one of Euclid's successors.