# MATH 330 - Spring 2011 ASSIGNMENT 7 

Due February 23, 2011
Having finished the first six chapters of Journey Through Genius, this is a good point to reflect on what we've discussed so far. Recall that chapters 4, 5 and 6 centered around the following "great theorems": Archimedes' determination of circular area, Heron's formula for triangular area, and Cardan's solution of the cubic.
7.1. For each of these theorems, state the theorem and provide an outline of the proof given in Journey Through Genius. This outline can be in bulleted form or paragraph form, with or without diagrams. Your outlines should capture the fundamental ingredients, ideas, and methods of the proof.
7.2. Choose your favorite proof of the three discussed above. Write one paragraph explaining why this proof is your favorite.

