

**Math 4060 (Cherry)**

**Written Assignment Due Monday, February 13 (Assignment #9)**

If the LAST digit of your UNT ID number is EVEN, do Exercise 2.9; if it is ODD, do Exercise 2.10

As with the previous assignment, you should compare your construction to Euclid and give a brief statement as to why it works, not necessarily a fully complete proof.

*Hint:* Check out Book IV, Propositions 4 and 5, which you looked at earlier when you did Exercises 1.8 and 1.9.

**Written Assignment Due Wednesday, February 15 (Assignment #10)**

Do two of the following three problems (your choice): 2.11, 2.12, 2.13.

For one of the two problems, you are required to illustrate your construction using either Geogebra or Geometer's Sketchpad.

For the second problem, you may sketch these either with a physical ruler & compass or using Geogebra or Sketchpad, your choice.

These constructions are not exactly in Euclid, so no comparison to Euclid is required for these.

It is still important to give some kind of explanation as to why your construction works.