Math 318: Final Group Project

Project Guidelines:

- The Final Project is to be presented during the final exam period for this class.

- Work in groups of 2 people.

- Create a 10-15 minute activity to explain, illustrate, and/or explore a construction or theorem from either high school geometry or material covered in this class. Your activity should be suitable for students taking a high school geometry class. Check with me before settling on a topic.

- Include written, step-by-step instructions for completing the activity if needed. Make enough copies for all of your classmates. The rest of the class (who will be playing the role of your future secondary school students) will follow along with the activity on their computers.

- The write-up of your project should include discussion of the following questions:
  
  - What is the mathematical idea, construction, theorem, etc. that your activity is designed to teach?
  
  - What mathematical background material is necessary for completing and understanding your activity?
  
  - What common problems do you anticipate that students might have with completing the activity, and how would you as an instructor handle these problems?

  Your write-up at least 2 pages long.

- If you have any questions, please ask me!