

## Researching & Reflecting on Geometry Worksheet

Dr. Sarah's MAT 3610: Introduction to Geometry

1. There are many activities, resources, lessons, and more available for Euclidean geometry. They can be found on the web, the library, in our book, or elsewhere. Find one to post on the think-pair-share forum:
  - (a) Select a Euclidean activity, resource, lesson, or other item. Describe it in your own words as a post on the think-pair-share-forum for it and give the source.
  - (b) Then respond to at least one of your classmates postings, who selected a different activity/resource/lesson/or item than you did, in a meaningful way. You might pose a question, extend ideas, or compare and contrast theirs to yours. Another option would be for you to do some additional research on theirs and report what you found.
2. (a) Next, consider and write down some thoughts (informal notes or bullet points are fine) related to the question: What is geometry?
  - (b) List any sources for 2(a), if any.
  - (c) Then, review our catalog description and course activities to consider how do they fit within "What is geometry?"
    - Catalog description: A study of the development of Euclidean geometry through multiple perspectives, including synthetic and metric. Topics to be considered include the nature of axiomatic systems and proofs, parallelism, similarity, measurement, constructions, polyhedra, utilizing appropriate technology, and at least one non-Euclidean geometry. The course will focus on concept development and connections among mathematical perspectives.

- Course activities: <http://cs.appstate.edu/~sjg/class/3610/s20.html>

How do our catalog topics and course activities fit into “What is geometry”? Jot down some informal notes or bullet points.

3. One of the reasons I enjoy teaching is that I always learn something new from students each semester as I work to improve on creative and diverse ways to help students learn. So I would appreciate your feedback before planning for next time. Tell me what you thought of the course (anonymously):
  - Complete the short anonymous course survey on ASULearn. The system will give you a checkmark and keep your responses anonymous. I won't look at these until after grades are in.
  - Complete <http://cs.appstate.edu/~sjg/class/3610/evals.html>, which are also anonymous. I also won't look at these until after grades are in.
4. Submit your informal notes or bullet points for # 2 as a PDF on the ASULearn assignment for this.