

Read *Flatland, A Romance In Many Dimensions*. Then either

1. write your own continuation or variation on life in Flatland.
2. give a description of the ways in which a 2-dimensional universe constrains the environment and its inhabitants.

Whichever alternative you choose, be creative. Move beyond what is done in *Flatland*, and really think about what it would be like to live in a 2 dimensional universe. Keep in mind at all times what we've learned about 2 dimensional universes, and incorporate those ideas soundly. Your essay or story should make sense and be consistent mathematically, of course.

*Possible Points:* If you choose to come up with your own continuation or variation on life in Flatland, *or* if you describe ways in which a 2D universe constrains the environment and its inhabitants beyond those described in the book, and if it's sound and substantive (at least a couple of pages), *and* if it's clear you read the entire book (and you didn't already do a book review of it for Project 1) this could earn up to 40 points.

If you already reviewed *Flatland* for Project 1, then either of the above could earn up to 20 points, so since some of the 40 points are for the reading.

Similarly, if you'd like to do this project based upon what you saw in the movie shown in class, you could earn up to 20 points.