

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 in 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, and if it's sound and substantive (at least a couple of pages), this could earn up to 20 points. Similarly, if you describe ways in which a 2D universe constrains the environment and its inhabitants and your description goes beyond what's in Flatland, you could again earn up to 20 points. Describing constraints that are mentioned in the book will of course earn you somewhat less.