MA398
Homework #1

1. We only saw a small number of examples today of "visualizing mathematics." Dig deeply into the various websites and resources that are on the course website to become acquainted with the wide range of possibilities. Take note of some particular sites or ideas that you can mention in class. Add your ideas to the discussion in Piazza called "Resources and Ideas for Projects." (You can get to Piazza via link blue `piazza.com/uky/fall2015/ma398`.) If you find sites or topics that should be added to the website, include these in the discussion. Begin thinking about two or three topics or ideas that you may want to try illustrating with virtual or physical models during the semester and add these to the discussion. Make at least one post!

2. Attempt to install POV-Ray on your computer/laptop. See `http://www.povray.org` and `http://megapov.inetart.net/povrayunofficial_mac`. Try to get it to work, though I realize we may have to spend some time at the beginning of next class to troubleshoot. In the meantime, carefully study the POV-Ray examples on the course website under "Examples (from a previous course)" to figure out how the instructions in the source files are generating what you see in the images. This may take some time! If you wish, you may also choose to dip into the POV-Ray documentation at `http://www.povray.org/documentation`. If you have questions or comments, add them to the discussion in Piazza called "POV-Ray Issues and Help."