Math 572 - Foundations of Geometry (class number 11919)

This course will be taught entirely online, MWF 8:30 - 9:20, using the Zoom meeting ID 960 6784 8781, or the url link https://ksu.zoom.us/j/96067848781. I suggest that you sign in to zoom using the K-State site (since KSU has a license) https://ksu.zoom.us/ and clicking on your host account https://ksu.zoom.us/profile. Then you will log in using your KSU login and password. I will record the lectures and post the links, although for privacy reasons I will not record the student presentations (every other Monday).

All assignments, both homeworks and exams, will need to be submitted online on Canvas; for each assignment, please submit one single pdf file, perhaps with several pages. You will need access to a scanner, or a phone app (I have a free version of CamScanner on my phone, but there are many other options available). Be sure to have bright light, and be careful around the edges to not cut off any of your work. After submitting your work as an online submission on Canvas, always CHECK YOUR SUBMISSION by opening the file submitted and making sure all of your work is there. If there is a problem with the file, you can resubmit (but this may erase what you have already submitted).

TEXT: There is no textbook for the course, but I strongly encourage you to purchase a high school geometry textbook. Try Amazon for a used book. This should cover the material for the first half of the semester.

EXAMS: The Midterm Exam will be online during class on Monday, October 5. The Final Exam will be online on Tuesday, December 8 from 11:50 am - 1:40 pm. Calculators will not be permitted during exams. You may bring to each exam one sheet of 8 1/2 by 11 inch paper, written or typed on both sides, with any notes, lists of axioms or theorems, etc. that you wish to write. Each exam will be proctored over Zoom; if possible, install zoom both on your computer and on your phone, so we can use the phone to proctor.

HOMEWORKS: There will be six homework assignments, due as an online submission on Canvas every other Tuesday by 11:59 p.m. (as one single pdf file, perhaps with several pages).

PRESENTATION PROBLEMS: On each homework assignment, five or six problems will be labelled as "presentation problems". Every other Monday (the day before the homework is due), several students will present their solution to one of these problems to the class, over zoom. I will be creating small groups of 4 or 5 students each, and to encourage you to work together on these problems, I will be giving points not only to the presenter but also to the members of their group. Your group may also offer you assistance during your presentation if you want it.

Note you are encouraged to work together on all of your homework problems, with any students in the class (not just from your group).
POINTS: A total of 268 points can be earned by each student during the semester. The Midterm is worth 60 points, and the Final is worth 90 points. There will be six homework assignments, each worth 12 points, for a total of 72 points. Only a portion of each homework will be graded, maybe four problems. The presentation problems are a part of the homework, and solutions should be included. A total of 24 points can be earned by each student for the Presentations. The person presenting the problem earns 12 points (and every student should do this once during the semester). But the other group members also earn some points, $12/(n-1)$ if the group has $n$ members. For example, if your group has four members, then the presenter earns 12 points and the other members earn $4 = 12/3$ points. Points will also be given for checking your submission by opening up the file you have submitted (this is recorded on Canvas, with a time stamp). For each homework submitted and checked before the time it is due, you will get 2 points. For each exam submitted and checked before the deadline, you will get 5 points. So do not wait until the last second to submit your work!

Late homework will be accepted, up to three days late, but 3 points will be deducted for each day it is late (or resubmitted late). If you are having trouble with a submission, you may send it as an attachment to maginnis@ksu.edu (note attachments do not work on Canvas unless you use the inbox feature), but this is just to verify that it was submitted on time. I can only grade work that has been submitted on Canvas, so keep trying later for the online submission. The computer should accept late submission, although it will be labelled as late.

Instructor: John Maginnis

Please send any emails with attachments to: maginnis@ksu.edu