COT 4521-001: Introduction to Computational Geometry (Fall 2019)
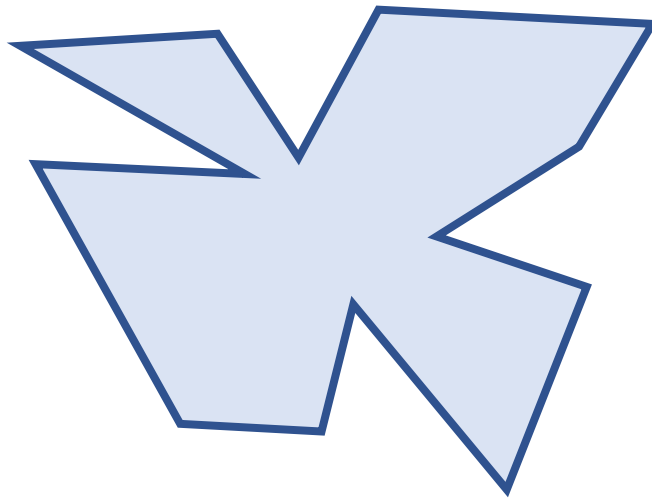
Worksheet 4

1 Ground Rules

This assignment is intended to be done alone. You may ask others for high-level help. However, the answer must be yours. For all questions we expect you to show yours work!

2 Assignment

- For the following polygon, find a solution to art gallery problem.

Be sure to split your solution into the 3 main algorithms: triangulation (using the ear-based triangulation), dual of triangulation, and coloring. Show/label each step of the algorithms.

3 Submission

Upload your answers and associated work to canvas as a single scanned, typed, or photographed PDF document. Be sure that your submission is legible.