

# COT 4521-001: Introduction to Computational Geometry (Fall 2018)

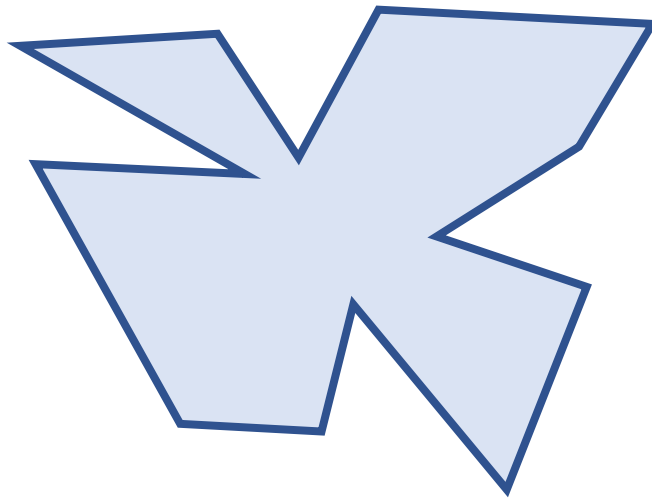
## Worksheet 3

### 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.

### 2 Assignment

1. 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, types, or photographed PDF document. Be sure that your submission is legible.