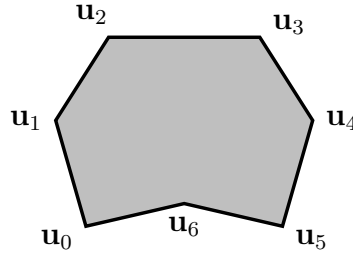


Name:

PID:

1. Let R be the non-convex, seven-sided region as shown. For both (a) and (b), the triangle fan or strip should exactly cover the region R , with no degenerate triangles and all triangles front-facing under the default CCW convention. (Your answers should include repeated vertices if needed.)



(a) Give a variable order for the vertices that covers R with a single triangle fan.

(b) Give a variable order for the vertices that covers R with a single triangle strip.

2. A cube has vertices \mathbf{v}_0 through \mathbf{v}_7 as shown. Given an ordering of the vertices that renders that renders the four side faces—but not the top or bottom faces—as a single triangle strip. The faces should all face outward from the cube. (Your answer should include repeated vertices if needed.)

