

Math 155A - Spring 2022 - Quiz #6 - April 19

Name:

PID:

1. The problem concerns composition of the transformations  $R_{\pi/3, \mathbf{i}}$  and  $T_{2\mathbf{k}}$ .

(a) Give the  $4 \times 4$  matrix that represents  $T_{2\mathbf{k}} \circ R_{\pi/3, \mathbf{i}}$  over homogeneous coordinates.

(b) Give the  $4 \times 4$  matrix that represents  $R_{\pi/3, \mathbf{i}} \circ T_{2\mathbf{k}}$  over homogeneous coordinates.