

Name:

56245 Take Portion of Exam 3

Each Question is marked with the number of points it is worth on the exam. You are allowed to work and consult with you fellow students on this portion of the exam. Unlike the in class portion of the exam very limited partial credit will be given on this section, but you still must show your work to recieve credit. This section is due on Monday at 3pm.

**Problem 1** (5 Points). (*3 points*) a)  $\sin(\cos^{-1}(3/4) + \tan^{-1}(3))$

(2 points) b)  $\cos(\cos^{-1}(3/4) + \tan^{-1}(3))$

**Problem 2** (5 points). *Given that  $\csc \theta = -3$  and  $\theta$  in QIII, find the values of the other five trigonometric functions for  $\theta$ . Be sure to show your work.*