

Instructions: This quiz is closed book, closed note, and an individual effort. Electronic devices are not allowed on your person (this includes calculators). Answer each question. Show all work to receive full credit.

1. (10 pts) Evaluate the following expressions:

- $\cot(2\pi/3)$

- $\csc(3\pi/4)$

- $\sec^2(2\theta)$, where $\theta = \pi/6$.

- $\tan(\theta/2)$ if $\theta = \pi/3$.

- $\csc^2(2\theta)$ if $\theta = \pi/8$.