

KFUPM

MATH 201

QUIZ #1

Sec. 04

Name:

ID:

Q1. Eliminate the parameter to find a Cartesian equation for the parametric curve

$$x = 3 \sec t, \quad y = 2 - \tan t$$

Q2. Draw the polar curve $r = 2 + 2 \cos \theta$. Find the slope of the tangent line at $\theta = \frac{\pi}{3}$.