

King Fahd University of Petroleum and Minerals

MATH 101 QUIZ #3 Term 181

Name:

Sec:

ID:

Q1. Find an equation of the tangent line to the curve $y = x\sqrt{x}$ that is parallel to the line $y = 3x + 1$.

Q2. Find the points on the curve $y = \frac{\cos x}{2 + \sin x}$ at which the tangent is horizontal.

Q3. Find the derivative of $f(x) = \cos \sqrt{\sin(\tan \pi x)}$