

King Fahd University of Petroleum and Minerals

MATH 101 QUIZ #2 Term 181

Name:

Sec:

ID:

Q1. Find the horizontal and vertical asymptotes of $f(x) = \frac{\sqrt{2x^2+1}}{3x-5}$

Q2. Find $\lim_{x \rightarrow \infty} \tan^{-1}(x^2 - x^4)$

Q3. Find the equation of the tangent line to the curve $y = \frac{1}{\sqrt{x+2}}$ at the point $(2, \frac{1}{2})$