

King Fahd University of Petroleum and Minerals

MATH 101 QUIZ #1 Term 181

Name:

Sec:

ID:

Q1. Find $\lim_{x \rightarrow \frac{1}{2}} \frac{2x-1}{|2x^3-x^2|}$

Q2. Find $\lim_{x \rightarrow 0^+} \sqrt{x} \left(2 + \cos^2 \frac{\pi}{x} \right)$

Q3. Sketch the graph of $f(x) = \lceil \sin x \rceil$ on $[0, \pi]$. And find $\lim_{x \rightarrow \frac{\pi}{2}} f(x)$.