

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics

Calculus I

Quiz No. 1

Thursday 6/10/2016

15 Minutes

Instructor: *Dr. Monjed H. Samuh*

Name:

Student ID:

Q1]... [10 points] Evaluate the limit, if it exists.

1. $\lim_{x \rightarrow 2} (x - \lceil \frac{x}{2} + 3 \rceil)$, where $\lceil x \rceil$ denotes the greatest integer less than or equal to x .

2. $\lim_{h \rightarrow 0} \frac{(3+h)^{-1} - 3^{-1}}{h}$.

GOOD LUCK