

King Fahd University of Petroleum and Minerals
Math. & Stat. Department
161-Math 101 Quiz (5)

Name	ID	SEC 01
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Q1) Find the intervals where $f(x) = \sqrt{x}(x-3)$ is increasing.

Q2) If $f(x) = x^4 - x$ on $[-1,1]$, find the value c that satisfies the Mean Value Theorem.

Q3) Find the absolute maximum and absolute minimum of $f(x) = x^3 - 3x^2 + 1$ on the interval $[-1/2, 4]$.