

Engineering Calculus I - MAC 2281 - Section 002

QUIZ VIII

First Name:

Last Name:

1. (3 points)

State the Extreme Value Theorem.

2. (3 points)

State the Mean Value Theorem.

3. (4 points)

Showing **all your work**, find the absolute maximum and absolute minimum of the function $h(x) = -2x^3 - 3x^2 + 12x + 5$ on $[-3, 3]$.