

Engineering Calculus I - MAC 2281 - Section 002

QUIZ IV

First Name:

Last Name:

1. (2 points)

State the Product Rule.

2. (5 points)

Prove the Product Rule.

3. (3 points)

Compute $\frac{d}{dx} \left[\frac{2x}{x^2 + \cos(x)} \right]$. Show sufficient work to **communicate** your process.