Engineering Calculus I - MAC 2281 - Section 002 $\label{eq:QUIZ} \begin{tabular}{ll} \mathbf{QUIZ} & \mathbf{IX} \end{tabular}$

First Name:

Last Name:

1. (4 points)

State the Fundamental Theorem of Calculus (both parts).

2. (6 points)

For the following exercises, show sufficient work to communicate your process.

(a) Compute
$$\int \left(-8x + 2e^x + \frac{1}{x}\right) dx$$
.

(b) Compute
$$\int_{-\pi}^{\pi} (\cos(y) + 1) dy$$
.