

Full Name: \_\_\_\_\_

ID# \_\_\_\_\_

Ser# \_\_\_\_\_

Q1. Let  $f(x) = x^2 \sin(x) + x^3$ . Find  $f'(x)$ .

Q2. Let  $y = \frac{3x+e^x}{4x^2+1}$ . Find  $\frac{dy}{dx}$ .