

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

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

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

Q1. Let  $f(x) = x^3 \sin(x) + x^4$ . Find  $f'(x)$ .

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

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

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

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

Q1. Let  $f(x) = x^3 \cos x - x^2$ . Find  $f'(x)$ .



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

