Full Name: _____   ID# _____   **Ser#** _____

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

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

Form A

Full Name: ID#   **Ser#**

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

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

Form B