

Quiz 12

MATH 139-01 and -02
Tuesday, October 14, 2003

Be sure to **show your work**. Unsupported answers receive no credit.

Compute the derivative of each function.

1. $f(x) = \frac{e^{2x}}{x^2}$

2. $f(x) = (x^2 + 3)^4(3x^3 - 2x)^6$

3. $f(t) = e^{-0.06t}$

4. $f(x) = \frac{1}{x^4}$

5. $f(x) = \frac{x}{\ln(x)}$