

FALL 2000 MTH 131

QUIZ # 6

NAME :

1. Differentiate the following functions :

a) $y = 12 - 3x^2 + 2e^{3x}$

b) $y = 4(3x + 1)^{135} + \ln(5x - 2)$

2. Find the equation of the tangent line to the graph of the function $f(t) = e^{-4t}$, at $t = 1$.

3. Differentiate $y = e^{5x-x^2}$