

Quiz 3 MTH 380 August 15, 1995 Name: _____

(1-5) Find $\frac{dy}{dx}$ for each of the following (5 pts. each) :

(sec 6-2)

1.) $y = \ln x^2$

2.) $y = 4e^x + 5 \ln x$

3.) $y = (x + 2)^3 \ln x$

(sec 6-3)

4.) $y = \ln(3-2x)$

5.) $y = 10^{x^2+x}$

(sec 5-5) 6.) Find dy in the following function. (5 pts.)

$$y = 30 + 12x^2 - x^3$$