PRINT Your Name:_____

Quiz – January 13, 2003

Find $\frac{dz}{dx}$ for $z = x^2 \ln x^2 + (\ln x)^3$.

Answer:

$$\frac{dz}{dx} = x^2 \frac{2}{x} + 2x \ln x^2 + 3(\ln x)^2 \frac{1}{x}.$$