

MTH 124.019 Quiz 9
Friday 16 April 2010

Name:

Compute the following derivatives. Make sure you show each step.

1. $\frac{d}{dx}[x^2 \ln(x)] =$

2. $\frac{d}{dt}\left[\frac{t}{1+\ln t}\right] =$

3. $\frac{d}{dz}\left[\frac{9-z^2}{9+z^2}\right] =$

4. $\frac{d}{dr}[(r^2 + 5)^3(3r^3 - 2)^2] =$