Quiz 5 for Calc 4 on Oct. 9, 2014

Name:_____**RUID:**_____

Email:_____

1. Simplify $\ln\left(\sqrt[3]{\dfrac{ab^2}{c}}\right)$

2. Solve the logarithmic equation

$$2\ln x - \ln(2x) = 1$$

3. Let A, B be constant numbers, Find the second derivative of $t(A\cos 2t + B\sin 2t)$.