Math 124 A, Fall 2018, Quiz 4

November 6, 2018

Name and Section ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

Differentiate the following functions. Make sure you use parentheses when necessary. You do not have to simplify your answers.

1. (3 points) $f(x) = \left(3x^3 + 5\sqrt{x}\right)^7$

2. (3 points) $g(x) = \sin\left(x^2\right) + \sin^2(x)$

3. (4 points) $h(x) = \sqrt{\tan\left(x + e^x\right)}$