

MATH 133 – Calculus with Fundamentals 1  
Quiz 6 – November 3, 2017

Your Name: \_\_\_\_\_

*Directions*

Do all work on this sheet. There are 30 possible points. Use the “short-cut” rules to find the derivatives of the following functions. (You do not need to simplify.)

(1) (10)  $f(x) = 6x^8 + 2\sqrt[5]{x} + 3\sin(x)$

(2) (10)  $g(x) = x^2 \tan(x)$

(3) (10)  $h(x) = \frac{x + \cos(x)}{1 + e^x}$