

# Quiz 5

## MATH 1A Fall 2015

15 October 2015

**Exercise 5.1.** Consider the equation

$$e^{xy} = 2x \sin y.$$

Find  $\frac{dy}{dx}$ .

**Exercise 5.2.** Suppose  $x = f(y)$ . Find  $\frac{dy}{dx}$  in terms of  $x$ ,  $y$ , and  $f$  and its derivatives.