

Name \_\_\_\_\_

Mathematics 105D: Calculus I  
Fall Semester 2012  
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October 12  
Quiz #13

Suppose  $f(x) = e^x + x^e + 2\sin x + 3\cos x$ , where  $e$  is the base for natural logarithms.

A.  $f'(x) =$

B. Give two different antiderivatives for  $f$ .