

Math 105 A/B
Quiz 5
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1. Find the derivative of each of the following functions:

a) $f(x) = (x^2 + 4)^6$

b) $g(x) = \ln(\sin(x))$

c) $h(x) = e^{\tan(x)}$

2. Find y' implicitly: $x^2 + xy + y^2 = 5$

3. Find an equation of the tangent line to the curve $x^2 + 2y^2 = 9$ at the point (1,2).