

Math 101 (162)
Quiz 2 (3.1-3.9)

Name:

ID #:

Section: 18

Serial:

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1. Find the equation of the tangent line and normal line to the curve of $y^2 = \sin(xy)$ at $(\pi/2, 1)$.
 2. Find the slope of the tangent line to the curve of $y = (\cos x)^x$ at $x = 0$.
 3. Let $f(x) = x + e^x$. Find $(f^{-1})'(1)$.
 4. A particle is moving with a position function $s(t) = t^3 + t$. At what time its velocity is equal to 7?
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