

Score: _____ out of 10.

Math 201 - Quiz #3

Name: _____

1. Compute the derivative for each of the following. Full simplification is not necessary, but your final answer should not have any derivatives.

(a) $f(x) = 3x^4 - 2e^x + 3$

answer:

(b) $g(t) = \pi + \ln(3) - 6$

answer:

(c) $y = \frac{e^x}{x^2 + 1}$

answer:

(d) $y = e^x \sqrt{x} + x$

answer:

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2. Find an equation for the tangent line to $f(x) = \sqrt{x}$ through the point $(4, 2)$.

answer: