

MATH 111-002 200630 Quiz 1

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Thursday, September 21, 2006

Please answer both of the following questions. The quiz is 20 minutes long and is out of 20. You can use the back of the sheet for rough work.

1. Evaluate the integral $\int_0^4 xe^{3x^2} dx$

2. Find the equation of the tangent line to the curve $y = e^x \cos(x)$ at the point $x = \pi/2$.