

Math151 - Calculus I - Winter 2005

Quiz #4, February 7, 2005

In the following problems you are required to show all your work and provide the necessary explanations everywhere to get the full credit.

1. Find an equation for the tangent line to the curve $x^3 + 2xy^3 - y^5 = 2$ at the point $(1, 1)$.

2. Use an appropriate local linear approximation to estimate the value of $(0.98)^3$.