

# Quiz #7

Math 116-2K

Wednesday, January 19, 2000

For full credit, show all of your work. Round your answers appropriately.

1. Find an equation for the tangent line to the curve  $y = 3(2^x)$  at the point where  $x = 4$ . (Four points)
2. Find the derivative of  $\sqrt{x^5 - 4x^2 - 7}$ . (Three points)
3. Find the derivative of  $x/(1 + 2x + x^2)$ . (Three points)