Calculus Quiz 3 (§5.10) 3/15/2001

1. Find the derivatives of the functions:

   (a) $g(x) = x^{\cosh x}$

   (b) $y = x \tanh^{-1} x + \ln \sqrt{1 - x^2}$

2. Evaluate the integral: $\int \frac{2}{x\sqrt{1+4x^2}} dx$