

Quiz 3 Calculus 1 9/24/2002

Each problem is worth 5 points. Show complete justification for full credit.

1. If $g(x) = x^2 + \frac{1}{x}$, find the derivative $g'(x)$.

2. Find an equation of the line tangent to the curve $y = x + \sqrt{x}$ at the point (4,6).