

Quiz 1 Calculus 2 8/31/2005

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Find the most general antiderivative of the function $f(x) = \frac{10}{x^9}$.

2. If $f''(x) = 2 - 12x$, $f(0) = 9$, and $f(2) = 15$, find $f(x)$.