

Quiz 1 Calculus 2 1/14/2008

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

1. Find the most general antiderivative of the function $f(x) = 6\sqrt{x} - \sqrt[6]{x}$.

2. Find $f(x)$, given that $f'(x) = 1 - 6x$ and $f(0) = 8$.