## Quiz 1 Calculus 2 8/29/2006

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 $f$ if $f^{\prime \prime}(x)=2-12 x, f(0)=9$, and $f(2)=15$.
