## Fake Quiz 1 Calculus $1 \quad$ 7/8/04

Each problem is worth 0 points. In the event of a real quiz you would have been notified.

1. Find the local linearization of $\sqrt{1+x}$ near $x=0$.
2. Evaluate $\lim _{x \rightarrow 0^{+}} x^{2} \ln x$.
3. Find the critical points and inflection points of the function $\mathrm{f}(x)=\frac{1}{1+x^{2}}$.
