Quiz 1a   **Calculus 2**   **1/21/04**

Each problem is worth 5 points. For full credit provide proper justification for your answer.

1. Find the indefinite integral $\displaystyle\int\left(t\sqrt{t}+\frac{1}{t\sqrt{t}}\right)dt$.

2. Find the indefinite integral $\displaystyle\int\frac{e^{x}}{2+e^{x}}dx$.