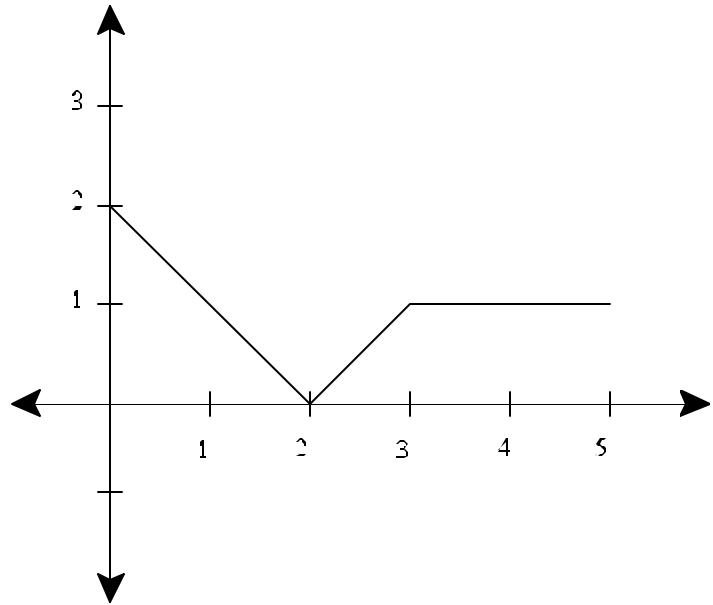**Quiz 4**   **Calculus 1**   **7/21/04**

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

1. For the function f(x) shown at right, what

is the value of $\int_0^5 f(x)\,dx$?

2. What is the exact value of $\int_{-2}^2 \sqrt{4-x^2}\,dx$?

3. What is the exact value of $\int_{-2}^0 x\,dx$