

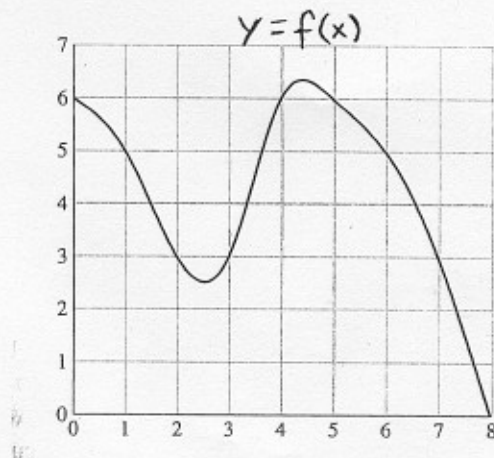
NAME:

SECTION: (circle one) 11:00-11:55 12:05-1:00

Math 105 - OPTIONAL Quiz 11 - December 5, 2005

Instructions: Show all of your work and circle your final answers. Calculators are allowed, but notes and books are not.

1. (7 pts.) Using the given graph of $y = f(x)$, estimate the value of $\int_2^8 f(x) dx$ using a right sum with three equal subintervals.



2. (6 pts.) Let $F(x) = \int_0^x f(t) dt$ and suppose that $f(t) > 1$ for all $t \geq 0$. Explain why $F(7) > F(1)$.

3. (7 pts.) Evaluate $\int_{-1}^1 x^2 dx$.