

## QUIZ 12

Name \_\_\_\_\_

1. Approximate the area under the curve  $f(x) = e^x + 1$  and above the  $x$ -axis between  $x = -2$  and  $x = 2$  using four rectangles and left endpoints.

2. Find each of the following.

(a)  $\int_1^5 (5y\sqrt{y} + 3\sqrt{y}) dy.$

(b)  $\int_0^1 \frac{e^t}{(3 + e^t)^2} dt.$