Quiz 9

Calculus 1 4/14/2006

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Evaluate $\int_{0}^{\pi/2} \sin t \, dt$.

$$(t) = Sint$$

 $(b) = -cost$

$$f'(t) = Sint$$

$$f(t) = -\cos t$$

$$S^{\frac{\pi}{2}} \sin t = -\cos t = -\cos t = -\cos t = -\cos t$$

$$= \square$$
Finellest

2. Evaluate $\int_{1}^{3} \frac{1}{x} dx = \ln |x| \Big|_{1}^{3} = \ln 3 - \ln 1$