

MATH 17 – QUIZ 3
27 SEPTEMBER 2010

Name: _____

NO CALCULATORS

1. Estimate $\int_0^\pi \sin x \, dx$ using $n = 6$ and the Trapezoid rule. Estimate the same integral using $n = 6$ and Simpson's rule.

2. Determine whether the following integral converges or diverges. If it converges, determine the value of the integral.

$$\int_e^\infty \frac{\ln x}{x} \, dx$$