

Math 142

Quiz 4

F10

Name

No Work-No Credit

Last 4 Digits

No credit if values are rounded!

Use Simpson's Rule to approximate $\int_0^{1.55} \sec x dx$, using $n = 10$. You must complete the table below for any credit. $\Delta x =$

i	x_i	$f(x_i)$	M	$M*f(x_i)$

$$\sum M * f(x_i) =$$

a) Using Simpson's Rule $\int_0^{1.55} \sec x dx \approx$

b) The value in (a) is in error by $\approx 23\%$, why?