

ESP Quiz 10 (Kouba)

Please PRINT your name here : \_\_\_\_\_

This quiz is OPTIONAL. A passing score of 75% on this quiz can be used to replace another deficient quiz score or an absence. It is due next Tuesday at the beginning of ESP.

1.) (20 pts. each) Determine the length of each graph on the given interval.

a.) rectangular function  $y = 4x^{3/2}$  on the interval  $[0, 6]$

b.) parametric form  $\begin{cases} x = t - \sin t \\ y = 1 - \cos t \end{cases}$  for  $0 \leq t \leq 4\pi$