

Math 2260 Quiz 4

Name _____

Points will be deducted for untidy or disorganized answers

1. (2.5 points) Find the length of the curve

$$y = \ln(\sec x), \quad 0 \leq x \leq \pi/4$$

Hint: Recall that

$$\int \sec x \, dx = \ln(\sec x + \tan x) + C$$

2. (2.5 points) Find the length of the curve

$$x = t^3, \quad y = 3t^2/2, \quad 0 \leq t \leq \sqrt{3}$$