

Open Book Quiz

Intermediate Calculus & Analytic Geometry (MATH 242 A) Date: November 19, 2013

Name:

1. Find the exact length of the curve.

$$x = \frac{1}{3}\sqrt{y} \cdot (y - 3), \quad 1 \leq y \leq 25$$

2. Consider the curve $y^3 = x^2$.

a. Sketch the curve.

b. Find the length of the arc of this curve from $(-1,1)$ to $(27,9)$.