

Attendance Quiz 13

Name: _____ Date : _____

1. Find the length of the curve.

$$y = \frac{x^2}{2} - \frac{\ln x}{4}, \quad 2 \leq x \leq 4$$

2. Find the area of the surface obtained by rotating the curve about the x -axis.

$$y = \frac{x^3}{6} + \frac{1}{2x}, \quad \frac{1}{2} \leq x \leq 1$$