Math 2260 Quiz 4.5 (Practice)

Name _____

Points will be deducted for untidy or disorganized answers

1. Find the length of the curve

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

2. Find the area of the surface obtained by rotating the curve

$$y = x^3, \quad 0 \le x \le 2$$

around the x-axis.