

Find the exact length of the curve

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

Arc length =

Find the exact length of the curve

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

Arc length =