Full Name: 

Find the length of the arc of each curve on the interval of interest.

1. \( f(x) = x^{3/2} \) on \([0, 4]\) 

2. \( f(x) = 1 + 6x^{3/2} \) on \([0, 1]\)
3. \( y = \frac{x^5}{10} + \frac{1}{6x^3} \) on \([2, 5]\)

4. \( y = \ln(\sec x) \) on \([0, \pi/4]\)