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 $[0, \pi/4]$