Math 1B Discussion Problems 14 Feb

- 1. Find the length of the curve $y = \frac{x^{3/2}}{3} x^{1/2}$ from x = 1 to x = 9.
- 2. Find the length of the curve $y = 1 e^{-x}$ from x = 0 to x = 2.
- 3. Consider the curve $y = -\ln x$ from x = 0 to x = 1.
 - (a) Find the area bounded by the curve, the x-axis, and the y-axis.
 - (b) Find the length of the curve.