

MAC 2312
Quiz 5
October 15, 2008

1) Find the arclength of the following curve on the interval $[1, 2]$.

$$y = \frac{x^7}{14} + \frac{1}{10x^5}$$

2) Integrate the following:

$$\int (x^3 + 3x - 1)e^{2x} dx$$

$$\int (x^3 + 3x - 1) \ln(x) dx$$