Do all the following integrations using a Ti-83 or Ti-84 calculator.
Write the results using all decimal digits provided with the calculator.

1)

$$\int_{1}^{5} \frac{\sqrt{x^2 + 3x + 2}}{\sqrt{\cos^2 x + 3}} \, dx$$ _____

2)

$$\int_{e}^{e^2} \sqrt[3]{\ln x} \, dx$$ _____

3)

$$\int_{1}^{3} x^{x^x} \, dx$$ _____

4)

$$\int_{0}^{\pi} \frac{1 - e^x}{1 + e^x} \, dx$$ _____

5)

$$\int_{2/3}^{6/11} \frac{\left(x^2 + x + 1\right)^{3/5}}{\left(x + 1\right)^{2/3}} \, dx$$ _____