Math 31	Quiz 1	January 22, 2018

Provide a clear and organized presentation. Show all of your work and completely simplify your answers. Evaluate each of the following integrals:

$$1. \qquad \int x^2 \sqrt[3]{x+1} \, dx$$

2. $\int \frac{e^x \ln\left(e^x + \sqrt{e^{2x} - 1}\right)}{\sqrt{e^{2x} - 1}} dx$