

Quiz #11, 11/22  
Math 156 (Calculus I), Fall 2022

Problem 1 is worth 10 points (2.5 pts each part), for a total of 10 points. Remember to *show your work* on all problems!

1. Evaluate the following definite integrals by computing the relevant antiderivative and applying the Fundamental Theorem of Calculus.

(a)  $\int_{-1}^1 x^2 dx$

(b)  $\int_0^1 e^x dx$

(c)  $\int_0^\pi \sin(x) dx$

(d)  $\int_1^e \frac{1}{x} dx$