Quiz #1, 1/18
Math 157 (Calculus II), Spring 2024

Problem 1 is worth 5 points, and Problem 2 is worth 5 points, for a total of 10 points. Remember to *show your work* on all problems!

1. Compute the area between the curves $y = x$ and $y = x^3$ from $x = -1$ to $x = 1$. (**Hint**: sketch a picture of the curves.)

2. Compute the volume of the solid obtained by rotating the region under the curve $y = \sqrt{x}$ from $x = 1$ to $x = 2$ about the x-axis.