Quiz #1, 8/30
Math 156 (Calculus I), Fall 2022

Problem 1 is worth 5 points, and problem 2 is worth 5 points, for a total of 10 points.

1. In this problem, let $f(x) = \sqrt{x+1}$.

    (a) Sketch the graph of $y = f(x)$.

    (b) State the domain and range of $f(x)$.

2. In this problem, let $f(x) = 2\cos(x)$.

    (a) Sketch the graph of $y = f(x)$.

    (b) State the domain and range of $f(x)$.

    (c) Is $f(x)$ an even function, odd function, both, or neither? Explain what this means both algebraically (in terms of formulas) and geometrically (in terms of graphs).