MATH 202 **Name:** _____

Calculus Practice IV, Fall 2023

Here is an opportunity for you to maintain your calculus skills over the summer. If you complete these problems, digitize your work, and submit your work to Canvas, I will send you my solutions. If you need some help with these questions, email me with your questions (willisb@unk.edu)

Completing this work is optional, and it does not enter into your class grade in any way–this work is not a bonus, extra credit, or anything like that.

1. The graph in Figure 1 shows the graph of a wild and crazy function (the red curve) whose domain is $[-4,4]$ that we'll unimaginatively call F. Define a function G by

$$G(x) = \int_{-4}^{x} F(s)\,\mathrm{d}s.$$

As best you can, draw a graph of G.

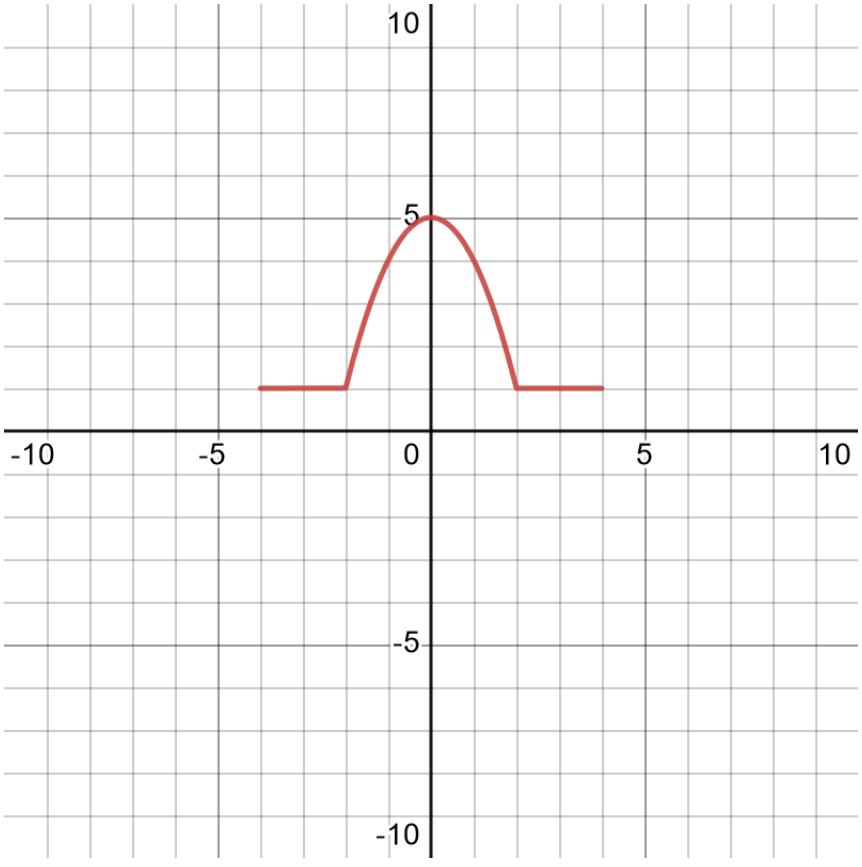

Figure 1: Graph of some wild and crazy function.