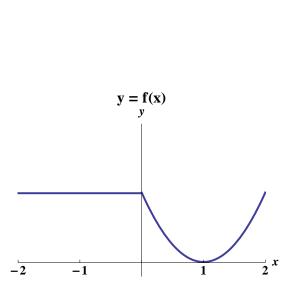
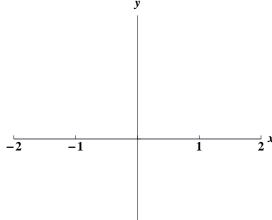
- **4.** [10 points] Given the graph of f(x), sketch the graph of g(x). Make sure your graph accurately shows the intervals where g(x) is increasing or decreasing and its concavity.
 - **a.** [5 points] Let g'(x) = f(x) with g(0) = 0.





b. [5 points] Let $g(x) = \int_1^x f(t)dt$.

