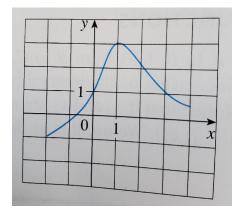
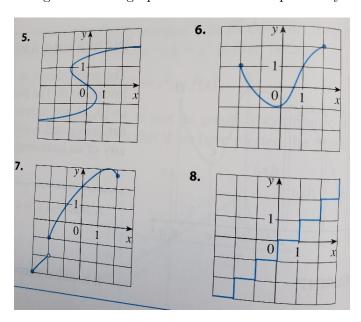
Worksheet 19/27/2022

- 1. The graph of a function f is given in a figure below (taken from the textbook).
 - (a) On what interval is f increasing/decreasing?
 - (b) What is f(2)?
 - (c) What is f(f(f(1)))?
 - (d) What is the value of x such that f(x) = 0?
 - (e) Is f an odd or even (or neither of those) function?



2. Which of the following curves is a graph of a function? Explain why.



3. Sketch the graph of a function f given by f(x) = -x if -3 < x < 0, f(x) = x + 1 if $0 \le x < 1$, and $f(x) = x^2 + 1$ if $1 < x \le 2$.