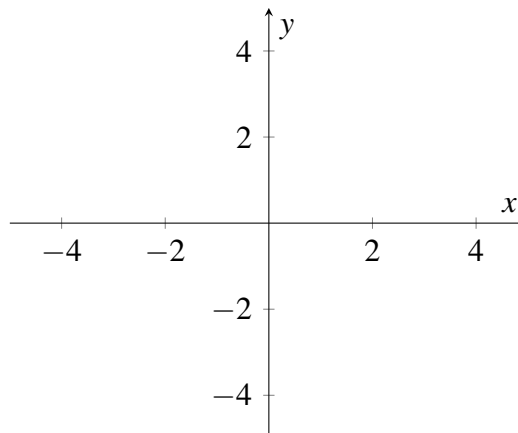
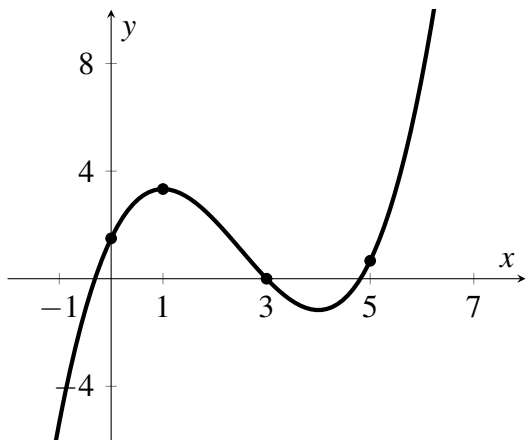


2. [7 points] Sketch a graph of a function $h(x)$ that satisfies the following criteria:

- $h(-2) = 2$, $h(2) = -2$, and $h(4) = 0$
- $h'(x) < 0$ when $x < 2$
- $h'(x) > 0$ when $x > 2$
- $h''(x) < 0$ when $x < 0$
- $h''(x) > 0$ when $x > 0$



3. [6 points] Use the graph of the function $g(x)$ (below) to determine whether each value below is **positive**, **negative**, **zero**, or **undefined**. You do not need to justify your answers.



- a. $g''(0)$
- b. $g'(1)$
- c. $g''(1)$
- d. $g'(3)$
- e. $g'(5)$
- f. $g''(5)$