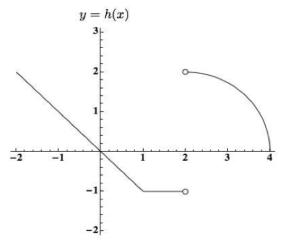
- **5**. [14 points]
 - **a.** [5 points] The graph of the function h(x), shown below, consists of line segments and a quarter of a circle.



Let f(x) be an antiderivative of h(x) with f(1) = 0. Assume f is continuous. Fill in the table of values of f(x), provided below, at the specified points.

x	-2	-1	0	1	2	4
f(x)) -1.5	0	0.5	0	-1	$\pi - 1$

b. [9 points] Sketch the function f(x). Make sure your graph indicates clearly where f(x) is increasing, decreasing, concave up, and concave down, and appropriately reflects any critical points.

