name: *Solution*

1 (10 points). Sketch the graph of a function with the properties:

$$f(1) = 0, f(2) = 4, f(3) = 6, \lim_{x \to 2^-} f(x) = -3, \lim_{x \to 2^+} = 5.$$

You do not need to find a formula for the function.