2.2 The derivative as a function

Example 1. Let $p(t) = -4.9t^2 + 15.5t + 2$ (as in Section 2.1, Example 1). Later in the course we will show that $p'(t) = -9.8t + 15.5$. Assume for now that this is true.

(a) Find the velocity at $t = 2.3$.
(b) Find when the velocity will be 0.
Example 2. (Based on Hughes-Hallett, 4e, 2.2#4) Based on the following graph of the function $f(x)$, make a rough sketch of the graph of $f'(x)$.
Example 3. Make a rough sketch of the derivative of the following graph