

**Example 1.** Let  $p(t) = -4.9t^2 + 3.5t + 2$  (as in Section 2.1, Example 1). Later in the course we will show that  $p'(t) = -9.8t + 3.5$ . 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  $f'(x)$ .

