- **1**. [12 points] A portion of the graph of a function q(x) is shown below. Note that
 - the graph of y = q(x) has a sharp corner at x = C,
 - the x-intercepts of the graph of y = q(x) are at x = B, x = E, and x = H, and
 - the tangent line to the graph of y = q(x) at x = F is vertical.

