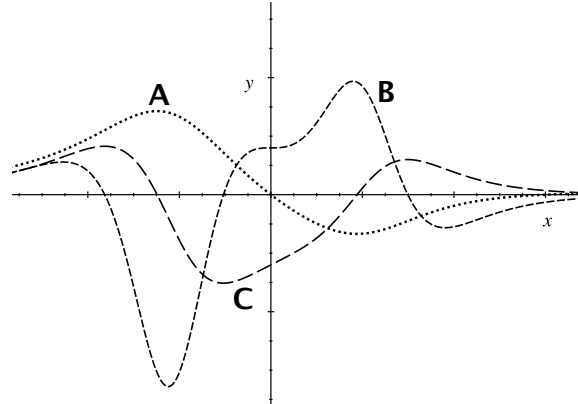**7.** [6 points] Consider the function $W(t) = 3 \ln \left(\sin(t)^2 + 2 \right)$. Write down the limit definition of $W'(\pi)$. (You do not need to estimate or compute the derivative.)

8. [9 points] The three graphs labeled A, B, and C below depict a function g along with its first and second derivatives (g' and g''). Determine which is which.

Your answer to parts (a)–(c) should be a single legible capital letter (A, B, or C).

   a. [2 points] The graph of g is labeled _____.

   b. [2 points] The graph of g' is labeled _____.

   c. [2 points] The graph of g'' is labeled _____.

   d. [3 points] Briefly explain your reasoning.