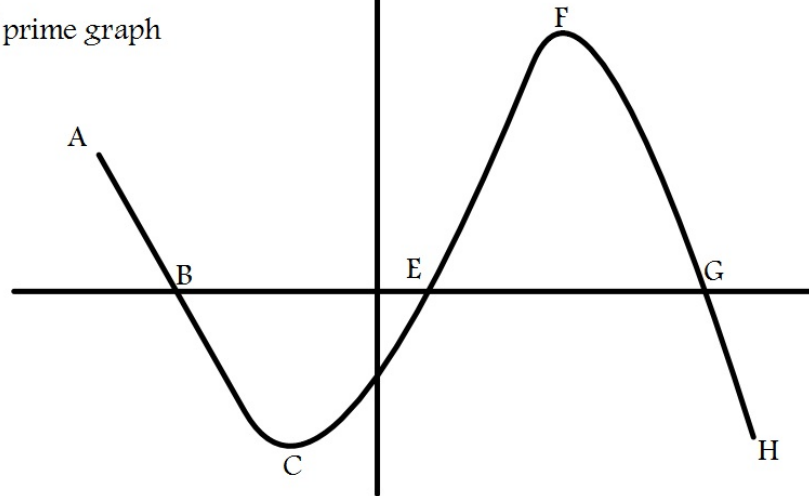


Your second  $f'$  prime graph



The essential questions. Eventually, you should be able to answer all of these in two minutes.

- A. When is  $f(x)$  increasing?
- B. When is  $f(x)$  decreasing?
- C. Give the x-values of any relative maximums. Justify your answer using proper terminology.
- D. Give the x-values of any relative minimums. Justify your answer.
- E. When is  $f(x)$  concave up?
- F. When is  $f(x)$  concave down?
- G. Give the x-values of any Points of Inflection. Justify your answer for each.