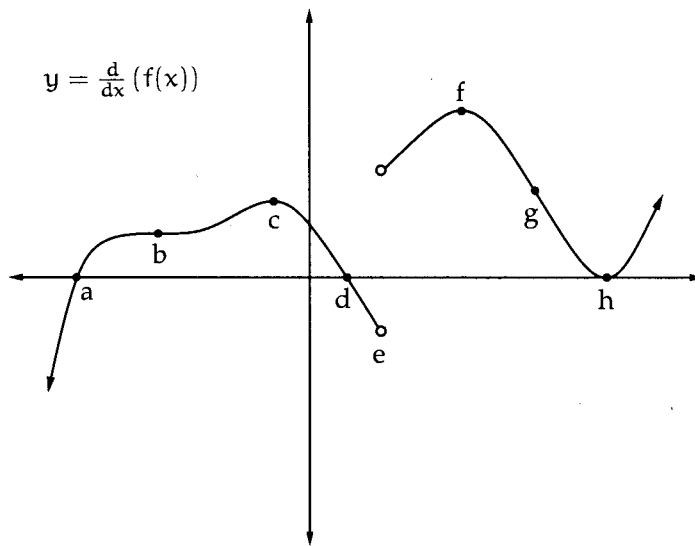


[16 points] The graph below shows the **DERIVATIVE**  $\frac{d}{dx}f(x)$  of a continuous function  $f(x)$ . Using this determine whether the marked points correspond to critical points, inflection points, and local maxima or minima of the original function  $y = f(x)$ . For those points that are critical, etc., mark a "Yes" in the following table; otherwise, leave the space blank.



The graph of the derivative of  $f(x)$ .

Point	Critical for $f(x)$ ?	Inflection for $f(x)$ ?	Local max for $f(x)$ ?	Local min for $f(x)$ ?
a	Yes	no	yes	no
b	no	no	no	no
c	no	yes	no	no
d	yes	no	no	yes
e	no	no	no	no
f	no	yes	no	no
g	no	no	no	no
h	yes	yes	no	no