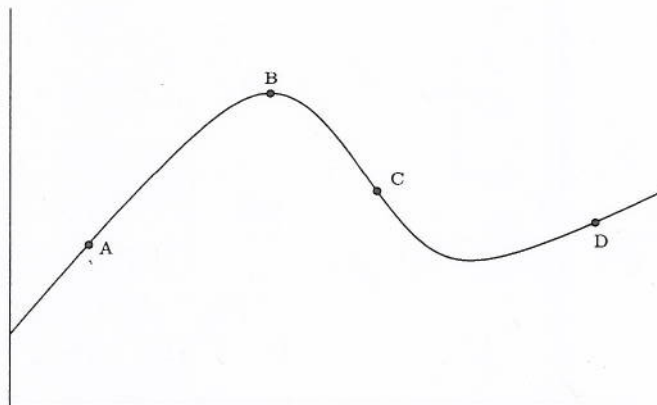1 p+   (1) Let $f(x) = \dfrac{2^{x+1} + x}{x^2 + 1}$. Use your calculator to find $f'(3.2)$

$$f'(3.2) = \underline{\;.1292169\ldots\;}$$

nDeriv $((2^{\wedge}(X+1) + X)/(X^{\wedge}2 +1), X, 3.2)$

2   (2) Let $f(x)$ have the following graph.

1 p+   (a) At which of the labeled points is $f'(x) > 0$? $\underline{A, C}$

1 p+   (b) At which of the labeled points is $f'(x) = 0$? $\underline{B}$

(3) The graph of $y = f(x)$ is given below. Draw the graph of $y = f'(x)$ on the same axis.

2 pts.