Problem statement Below are the graphs of three functions $y = f(x)$. In just one of the graphs, it is true for all x that $\dfrac{d^3y}{dx^3} > 0$. Which is the graph? Explain why the other two graphs could not possibly satisfy the condition $\dfrac{d^3y}{dx^3} > 0$ for all x.

(A) (B) (C)