1) Find the derivative of each of the following functions.
(A) \( f(x) = 3x^7 \)
\[ f'(x) = 21x^6 \]
(B) \( g(x) = x^5 \sin(x) \)
\[ g'(x) = 5x^4 \sin(x) + x^5 \cos(x) \]
(C) \( h(x) = \frac{\sqrt{x}}{2^x} \)
\[ h'(x) = \frac{\frac{1}{2\sqrt{x}}2^x + \sqrt{x}2^x \ln(2)}{(2^x)^2} \]

2) Sketch a graph of the derivative of the function shown here.