$\qquad$

1) Find the derivative of each of the following functions.
(A) $f(x)=3 x^{7}$
(B) $g(x)=x^{5} \sin (x)$
(C) $h(x)=\frac{\sqrt{x}}{2^{x}}$
2) Sketch a graph of the derivative of the function shown here.

