Answer all problems. There are 10 possible points.

1. Find the derivatives of the following functions (Show all work to receive full credit!):
a) (3pts) $f(x)=6^{\left(2 x^{4}+2 x^{3}+x\right)}$
b) (3pts) $p(y)=\frac{\ln (y+1)}{e^{y^{2}+3}}$
2. (4pts) Find the derivative of $f(x)=\frac{2 \sin (x)}{1-2 \cos (x)}$.(Show all work to receive full credit!).
