Find a derivative y'(x) for each of these expressions. You are advised to *carefully* choose a method appropriate to each expression. (a) $y = \sin(e^{3x} + 2x)$. (b) $y = e^{-x} \tan x$. (c) $y = \frac{\arctan(x)(x-1)^2 e^{x^2}}{(\sin x + 2)^3}$. (d) $x^2y - xy^2 = \sin(xy)$.