Please Differential

16 $y = 3\sinh(4x) - 2\cosh(2x)$

17 $y = \dfrac{1}{1+e^{-2x}}$

18 $y = x^3 + 3xy^2 - 5y$

19 $y = \dfrac{e^x}{x^2}$

20 $y = x * \sin(x^2)$