

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Find $\frac{dy}{dx}$ if $y = \sin(x) e^{-x} + \frac{\tan^{-1}(x)}{1+x^2}$

Exercise 2 (5 points)

Find $\frac{dy}{dx}$ if $x\cos(y) + y\cos(xy) = 1$

NAME: _____ ID: _____ Section: _____

Exercise 1 (5 points)

Find $\frac{dy}{dx}$ if $y = \cos(x)e^{-x} + \frac{\cot^{-1}(x)}{1+x^2}$

Exercise 2 (5 points)

Find $\frac{dy}{dx}$ if $x\sin(y) + y\sin(xy) = x$

