

October 15, 2020

MAC 2311
Quiz 6

Remember to show all of your work.

Problem 1. In all cases, differentiate and solve for y' (or $\frac{dy}{dx}$ if you prefer to write it that way):

(a) (3 points) $y = e^{3x} \arcsin(3x - 2)$

(b) (3 points) $-9 = 3x^2y^3 + x \tan(y)$

(c) (4 points) $y = x^{2 \cos(3x)}$