

March 2, 2021

MAC 2311
Quiz 6 - Keeran & York

Remember to show all of your work.

Problem 1. Find the derivative of $y = (\tan x)^{(e^x)}$ (Solve for y' , but no need to simplify).

Problem 2. A particle is moving on a line with position given by

$$s(t) = \frac{1}{3}t^3 - 2t^2 - 5t + 1$$

Find the values of t where

- the particle is standing still
- the particle is moving forward
- the particle is moving backward

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