Name: _____

Quiz 13

MATH 200
October 3, 2024

1. This problem concerns the equation $e^{xy} = e^{2x}$.

   (a) Which of the following points is on the graph this equation? $(1, 2)$, $(2, 1)$, $(1/2, 0)$

   (b) Find y'.

   (c) For each point (x_0, y_0) from part (a) that is on the graph of $e^{xy} = e^{2x}$, find the slope of the tangent line to the graph at that point.

Name: _____

Quiz 13

MATH 200
October 3, 2024

1. This problem concerns the equation $\sin(xy) = \cos(x/2)$.

   (a) Which of the following points is on the graph this equation? $(2\pi, 3)$, $(\pi, 2)$, $(0, \pi)$

   (b) Find y'.

   (c) For each point (x_0, y_0) from part (a) that is on the graph of $\sin(xy) = \cos(x/2)$, find the slope of the tangent line to the graph at that point.