

Calculus II. Quiz 10. Name _____ Time _____

Show all work for full or partial credit. Put a box around your final answer in each part.

1. Given $C = \begin{cases} x = 3e^t - t \\ y = t^2 + 3 \end{cases}$ Find the points with horizontal tangent to the curve and use the second derivative to tell whether they are mins, maxes or inconclusive.

2. Sketch the graph of $C = \begin{cases} x = -2 \cos t \\ y = 2 \sin t \end{cases}$ for $t \in [\pi, 5\pi/2]$.