Math. 126 Quiz \#11 April 27, 1999

1. Find the critical points of the curve

$$
x(t)=e^{t} \quad y(t)=e^{-t^{2}}
$$

2. Using the Second Derivative Test determine if the critical points are local minima, local maxima or neither.
3. Locate the $x$-coordinate of the inflection points of the curve.
