1) Sketch the graph of the following curve after eliminating the parameter. Indicate the direction.

\[ x = 3 + 2 \cos t, \quad y = 1 + 2 \sin t, \quad \pi \leq t \leq 2\pi. \]

2) Find the area enclosed by the curve \( t^2 - 2t, \ y = \sqrt{t} \) and y-axis.
1) Sketch the graph of the following curve after eliminating the parameter. Indicate the direction.
\[ x = \tan^2 \theta, \quad y = \sec \theta, \quad -\pi/2 < \theta < 0. \]

2) Find the exact length of the curve.
\[ x = e^t + e^{-t}, \quad y = 5 - 2t, \quad 0 \leq t \leq 3. \]