

Name#

Ser.#

Q1 Estimate the parameter to find a Cartesian equation of the curve. Sketch the curve and indicate the direction.

$$x = \ln t, \quad y = \sqrt{t}, \quad t \geq 1$$

Q2. Find an equation of tangent to the curve

$$x = t \sin t, \quad y = t \cos t, \quad \text{at } t = \pi$$