

Name _____

Sr.# _____

Q1) Evaluate $\int_0^{\pi/4} \frac{1}{\cos^2 x \sqrt{1 + \tan x}} dx$

Q2) Evaluate

An equation for the **tangent line** to the curve $y = \int_x^{\sqrt{3}} \sqrt{1+t^2} dt$ at the point with x -coordinate $\sqrt{3}$ is given by _____