

Name:

ID:

Q1) Evaluate $\int_0^{\frac{\pi}{2}} \frac{1}{\sqrt{1-\sin^2 x}} dx$, if possible.

Q2) Evaluate $\int \frac{\sec^2 x}{\tan^2 x + \tan x - 2} dx$

Q3) Find $\int \sin^3 x \cos(2x) dx$

Q4) Find $\int \sqrt{3 - 2x - x^2} dx$.