Family name: Sr. #

Write your final answer in each box, and **DON'T** forget to attach your steps in separate papers.

Q1) Evaluate the following integrals

$i.\ \int \sinh^3 x\ \cosh^2 x\ dx =$

$ii.\ \int \dfrac{\sqrt{x^2 - 4x}}{x - 2} dx =$

$iii.\ \int \sin(2x)\cos^2 x\ dx =$

$iv.\ \int \cot^4 x\ dx =$

$v.\ \int \sqrt{5 + 4x - x^2}\ dx =$

$vi.\ \int \sqrt{x^2 + 1}\, dx =$

PAGES 483- 488 ARE VERY HELPFUL, PLEASE READ IT CAREFULLY.