BC CALCULUS PRACTICE 8.3	Name:	Period

Aisle \_\_\_\_\_ pg. 529; 1, 3, 9, 19, 25, 31, 35, 41, 49; Optional: 37, 47 Show all necessary work neatly.

Evaluate the integrals.

1. $\int \cos^3 x \sin x dx$ 3. $\int \sin^2 5\theta \ d\theta$	
9. $\int \sin^2 t \cos^3 t  dt$ 19. $\int_0^{\pi/3} \sin^4 3x \cos^3 3x  dx$	
$25. \int e^{-x} \tan(e^{-x}) dx$ $31. \int \tan 4x \sec^4 4x dx$	
1 / 3   P   IAIII P   II X	
23. j c tan (c ) ax	
23. y e tan(e yax	
23. y e tan(e yax	
23. y e tan(e yax	_

$35. \int tan^4 x \sec x  dx$	41. $\int tan^3 4x dx$
	1.2. j conc no uno
$49. \int \cot^3 x  \csc^3 x  dx$	(Optional)
	$37. \int sec^3 t \tan t  dt$
(Optional) 47. $\int_0^{\frac{\pi}{2}} tan^5 \frac{x}{2} dx$	
$\frac{\dot{\pi}}{\sqrt{2}}$	
$\int_{0}^{2} tan^{5} \frac{x}{2} dx$	
$J_0$ $Z$	