



Name: _____

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Practice Test 3
(version A1)

Calculus II (Maths 201–NYB)

1. Evaluate:

(a) $\int x \tan^2 x \, dx$

(b) $\int x \sin^3 x \, dx$

(c) $\int \sin 8x \cos 5x \, dx$

2. For a series $\sum_{n=0}^{\infty} a_n$, you are told that $s_n = \frac{n-1}{n+1}$. Find a formula for a_n and the sum $\sum_{n=0}^{\infty} a_n$.