



Name: _____

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Practice Test 3
(version A2)

Calculus II (Maths 201–NYB)

1. Evaluate:

(a) $\int \tan x \sec^3 x \, dx$

(b) $\int \ln(\sqrt[3]{x}) \, dx$

(c) $\int \frac{1}{(2+x)^2} \sqrt{\frac{1-x}{2+x}} \, dx$

2. Evaluate the limits

(a) $\lim_{x \rightarrow 0} \cot 2x \sin 6x$

(b) $\lim_{x \rightarrow \infty} (\ln(x^7 - 1) - \ln(x^5 - 1))$