

Calculus 1B Quiz 1

Name:

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1. Evaluate: $\int_1^2 x \cos(\pi x) dx$

2. Integrate: $\int \ln(2x) dx$

(turn over)

3. Integrate

$$\int x \cot^2(x) dx = \int \frac{x \cos^2(x)}{\sin^2(x)} dx$$

[Hint: f has no denominator.]