

Calculus 1B Quiz 6

Name:

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Student ID:

1. (1 point) Write the Maclaurin series for:

$$2^x$$

and estimate the error when you approximate 2^π using the first three terms of the series.

2. (1 point) Write the Maclaurin series for

$$(1 + x)^\pi$$

.

(turn over)

3. (1 point) Approximate 2^π using the first two terms of the Maclaurin series in Problem 2. Estimate the error.