

Calculus 1B Quiz 4

Name:

GSI: Paul Baginski

Student ID:

1. For what  $x$  does

$$\sum_{n=0}^{\infty} \left( \frac{x}{3} + 5 \right)^n$$

converge? For those  $x$ , what does this series converge to?

(turn over)

2. Find the radius and interval of convergence for

$$\sum_{n=0}^{\infty} (-1)^n \frac{\ln(n)}{e^n} x^n$$