

Quiz 10A

Closed book/notes. No calculators allowed.

Name:

UAlbany Email:

1. Recall the formula for a Taylor series centered at a :

$$f(x) = \sum_{n=0}^{\infty} \frac{f^{(n)}(a)}{n!} (x - a)^n$$

- (a) Compute the first four coefficients of the Taylor series for $2\ln(x)$ centered at 1.

- (b) What is the 4th Taylor polynomial, p_4 , approximating $2\ln(x)$?