

Homework 4

Do the following exercises from Stewart's *Single Variable Calculus*:

- Section 2.8: 3, 5, 6, 22, 27(a), 32
- Section 2.9: 1(b,c), 2(b,c), 13a, 14

Note:

- (1) For problems 2.9.1(b,c), use $f'(0) = \log 3$.
- (2) For problems 2.9.2(b,c), use $f'(1) = 1$.