

Practice Problems 4 - Math 141, Frank Thorne (thornef@mailbox.sc.edu)

- (a) Thomas, Ch. 3.3: 17-34 , 57, 58.
- (b) If $f(x) = c$, where c is a constant, find $f'(x)$ using the definition. Draw a picture which explains your conclusion.
- (c) What is the 500th derivative of $f(x) = x^{100}$? Explain why.