

# Homework 28 handout

Sunday, November 11, 2018

10:46 AM

- Read pp. 148 - 152.
- Need to know: def. 5.2.1, statements and proofs of thm. 5.2.3, 5.2.4.
- Do the following problems:
  1. Use only the definition of derivative to find the following derivatives:
    - a)  $f(x) = \frac{1}{x^2}$ , at  $x=c$ ,  $c \neq 0$
    - b)  $g(x) = x|x|$ , at an arbitrary  $x=c$ .
  2. Do # 5.2.2, 5.2.5