

Calculus 120, Chapter 3 Summary ~ things you should know

notes by Tim Pilachowski

Important concepts:

product rule

quotient rule

composition of functions

chain rule (in both forms)

Be able to:

use the use the product rule, quotient rule and chain rule to find derivatives.

find derivatives when two or more rules are needed.

use the various rules in solving applications, including but not limited to average cost, average revenue and average profit.

use composition of functions and the chain rule in solving applications.

Review exercises from the text (13th edition):

Chapter 3 Review of Fundamental Concepts, 1 – 3

Chapter 3 Supplementary Exercises, 1 – 40 (answers to odd-numbered problems are in the back)