

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF UTAH

Calculus I

MATH 1210 – Section 023 – Spring 2025

Homework 6

Implicit differentiation and related rates

Due: Friday, February 21, 2025

Submit your homework assignment on Canvas via Gradescope.

Write your solutions clearly and legibly. Circle or somehow clearly identify the final answer for each problem.

Problems from course textbook: *Calculus* (9th ed), by Varberg, Purcell, Rigdon.

Problem A.B.C means problem #C from section A.B in the book.

Problems 2.7.2
2.7.8
2.7.11
2.7.13
2.7.16
2.7.21
2.7.24
2.7.34
2.7.43

2.8.2
2.8.4
2.8.9
2.8.11
2.8.17, parts (a), (b) only
2.8.21
2.8.23

2.9.2
2.9.6
2.9.12
2.9.23
2.9.32
2.9.39
2.9.40
2.9.44