

Tutorial 8

All textbook references are to: Finney, Weir, Giordano *Thomas' Calculus* (ELEVENTH ed)

Problems & reading to attempt before the tutorial

Topics covered	Sections	Problems to try
Limits	§2.2 and 2.4	as many as you need
Infinity and limits	§2.5	1–6
Continuity —definition	§2.6	5–10, 45, 46, 50
Differentiation —tangent lines	§2.7	7–10
—definition	§3.1	1, 3, 5, 7

Problems to hand-in Due by 9am the Monday after tutorial (18 May).

- 2.2.34
- 2.4: 24 and 48 (p 113)
- 2.5.16 (p 122)
- 3.1.2 (page 155)

As a great educational institution we shall fall short of our mission if we fail to inspire in our students a concern for things of the spirit as well as the mind. By precept and example, we must convey to them a respect for moral values, a sense of the duties of citizenship, a feeling for taste and style, and the capacity to recognize and enjoy the first-rate.

— *James A. Stratton: President's Inaugural Address, MIT, June 1959*