

Math 110 (Section 002) Learning Objectives

Students should be able to do the following things by the end of each respective unit. Additions may be made as the term progresses.

Chain Rule

1. Explain the steps of the proof of the Chain Rule, given a simplified version of the proof.
2. Explain using examples, why the Chain Rule is plausible.
3. Differentiate functions using the Chain Rule.
4. Find tangent lines, normal lines and horizontal lines to curves using the Chain Rule.
5. Differentiate a^x and $\log_b x$ for constants a and b .