Chapter 02.01

Primer on Differentiation

OBJECTIVES

1. understand the basics of differentiation,
2. relate the slopes of the secant line and tangent line to the derivative of a function,
3. find derivatives of polynomial, trigonometric and transcendental functions,
4. use rules of differentiation to differentiate functions,
5. find maxima and minima of a function, and
6. apply concepts of differentiation to real world problems.