

WORKSHEETS: MATH 161



[Worksheet I](#) (review of graphing polynomials and rational functions; trig functions; logarithmic functions; inverse functions; odd & even functions)]

[Worksheet II](#) (limits, continuity, *Intermediate Value Theorem*, *Sandwich Theorem*)

[Worksheet III](#) (average rate of change)

[Worksheet IV](#) (interpreting the derivative)

[Worksheet V](#) (trigonometric limits)

[Worksheet VI](#) (short cuts: including product and quotient rules)

[Worksheet VII](#) (higher-order derivatives)

[Worksheet VIII](#) (curve sketching: a prelude; *Extreme Value Theorem*)

[Worksheet IX](#) (linearization)

[Worksheet X](#) (chain rule; implicit differentiation; logarithmic differentiation; inverse trig functions)

[Worksheet XI](#) (related rates)

[Worksheet XII](#) (curve sketching; concavity)

[Worksheet XIII](#) (hyperbolic functions)

[Worksheet XIV](#) (optimization)

[Worksheet XV](#) (introduction to area and Riemann sums)

[Worksheet XVI](#) (MVT, Anti-derivatives, Indefinite integrals & initial value problems)

[Worksheet XVII](#) (the Riemann integral)

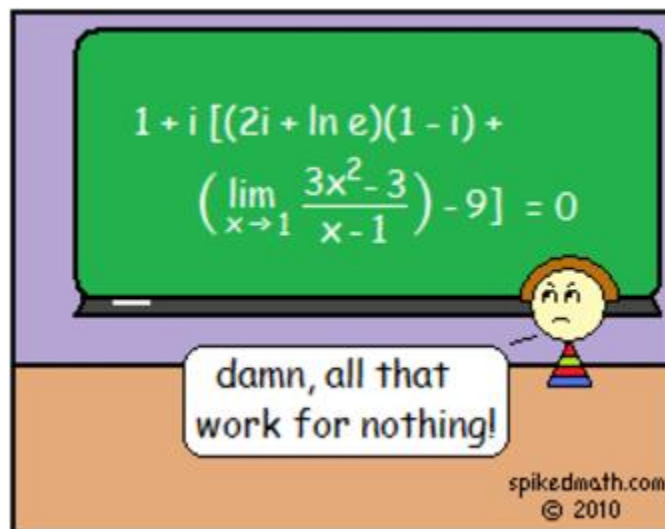
[Worksheet XVIII](#) (the FTC, the Net Change Theorem)

[Worksheet XIX](#) (area between curves)

[Worksheet XX](#) (l'Hôpital's rule)

Work! God wills it. That, it seems to me, is clear.

- Gustave Flaubert (letter to Louise Colet, 1845)



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