

# WORKSHEETS: MATH 162



Worksheet I: review

Worksheet II: volume

Worksheet III: washers/disks vs shells

Worksheet IV: parameterized curves

Worksheet V: arc length, surface area, work

Worksheet VI: integration by parts

Worksheet VII: hyperbolic functions

Worksheet VIII: little  $o$  and big  $O$

Worksheet IX: improper integrals

Worksheet X: probability

Worksheet XI: sequences

Worksheet XII: numerical series

Worksheet XIII: integral, ratio, root tests

Worksheet XIV: absolute & conditional convergence

Worksheet XV: power series

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

- Gustave Flaubert (letter to Louise Colet (1845))



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