**Worksheets:  MATH 162**



[**Worksheet I**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws1.pdf): review

[**Worksheet II**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws2.pdf)**:** volume

[**Worksheet III**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws3.pdf)**:** washers vs shells

[**Worksheet IV**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws4.pdf)**:** parameterized curves

[**Worksheet V**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws5.pdf)**:** arc length, surface area, work

[**Worksheet VI**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws6.pdf)**:** integration by parts

[**Worksheet VII**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws7.pdf)**:** review of hyperbolic functions

[**Worksheet VIII**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws8.pdf)**:** *little* *o* and *big* *0*

[**Worksheet IX**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws9.pdf)**:** improper integrals

[**Worksheet X**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws10.pdf)**:** numerical sequences

[**Worksheet XI**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws11.pdf)**:** numerical series, part I

[**Worksheet XII**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws12.pdf)**:** integral test, ratio test, root test

[**Worksheet XIII**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws13.pdf)**:** absolute and conditional convergence

[**Worksheet XIV**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws15.pdf)**:** *brief* introduction to probability

[**Worksheet XV**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws15.pdf)**:** power series

[**Worksheet XVI**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws16.pdf)**:** operations on power series

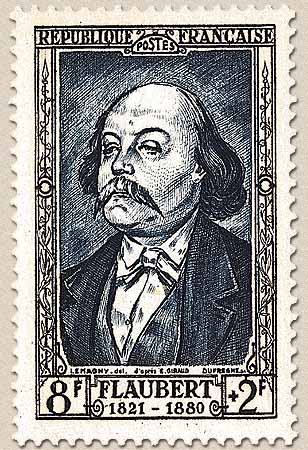
[**Worksheet XVII**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws17.pdf)**:** Taylor polynomials, Taylor series

[**Worksheet XVIII**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws18.pdf)**:** Euler’s formula, complex power series

[**Worksheet XIX**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws19.pdf)**:** substitution, a review

[**Worksheet XX**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws20.pdf)**:** integration of trig functions; trig substitutions

[**Worksheet XXI**](http://www.math.luc.edu/~ajs/courses/162spring2015/worksheets/ws21.pdf)**:** partial fraction decomposition



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

                 - Gustave Flaubert  (letter to Louise Colet, 1845)

[Course Home Page](http://www.math.luc.edu/~ajs/courses/162spring2015/index.pdf)          [Department Home Page](http://www.math.luc.edu/)        [Loyola Home Page](http://www.luc.edu/)