

Math 126: Calculus III

Dr. Andy Loveless

Exam Dates:

Exam 1 Tues, February 2rd

Exam 2 Tues, March 1st

Final Sat, March 12th (5-7:50pm)

First Homework:

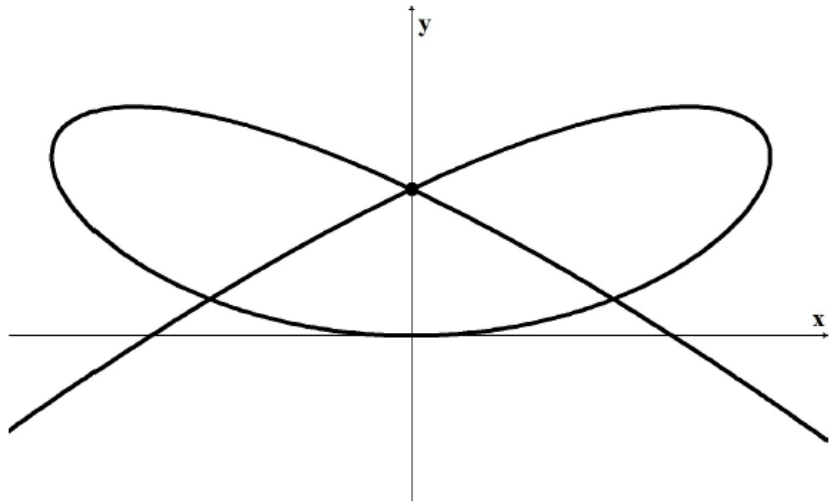
Closing Tues, Jan 12: 12.1, 12.2, 12.3

Closing Thur, Jan 15: 12.4(part 1 & 2)

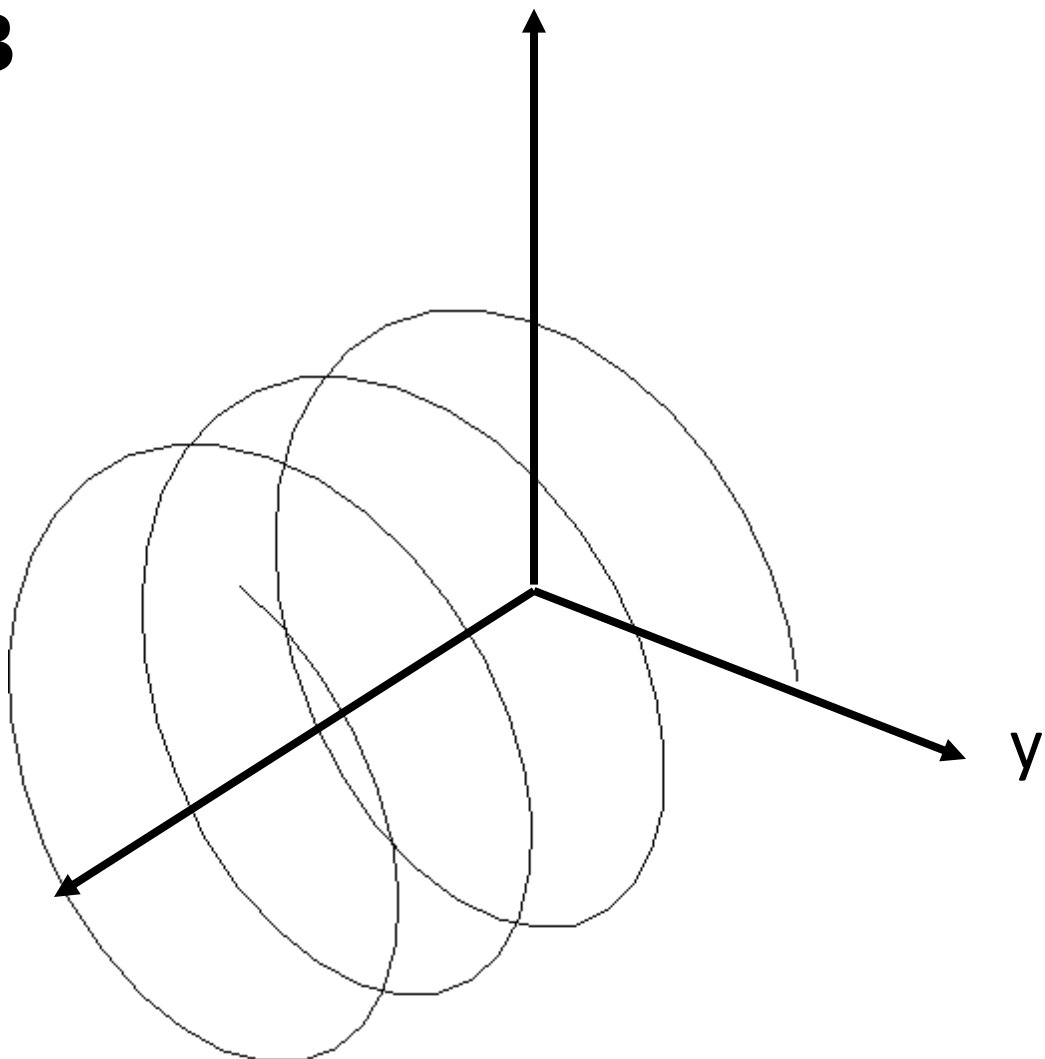
What we will do in this course:

1. Ch. 12 – Vectors and 3D Basics
(Dot products, cross products, projections, lines and planes)
2. Ch. 10, 13 – Describing Curves
(Parametric equations, polar coordinates, dis/vel/accel in 3D)
3. Ch. 14 – Analyzing Surfaces
(Partial Derivatives, max/min)
4. Ch. 15 – Volumes under Surfaces
(Double Integrals)
5. Taylor Notes – Taylor Polynomials and Taylor Series

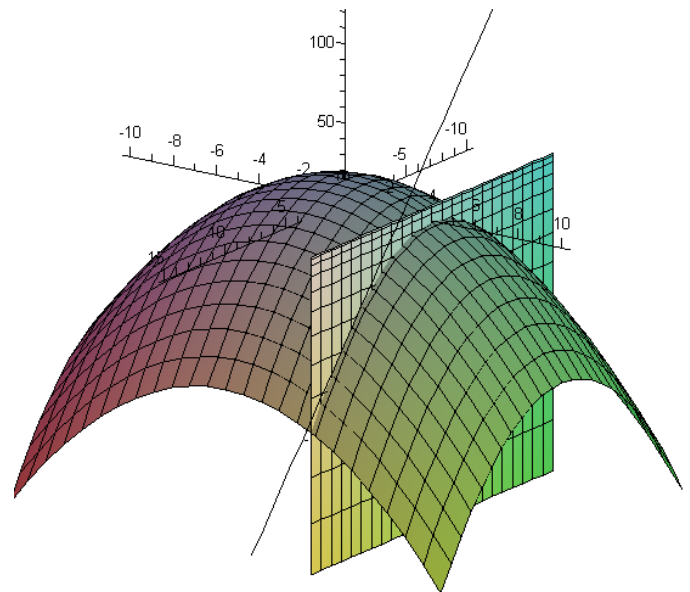
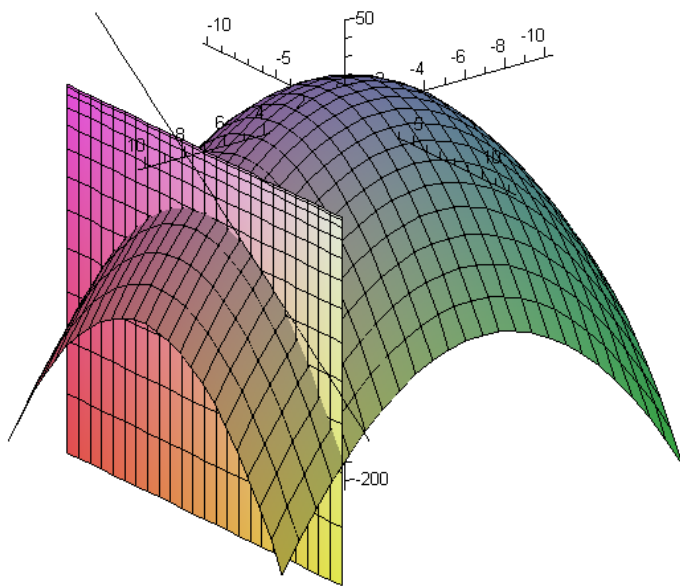
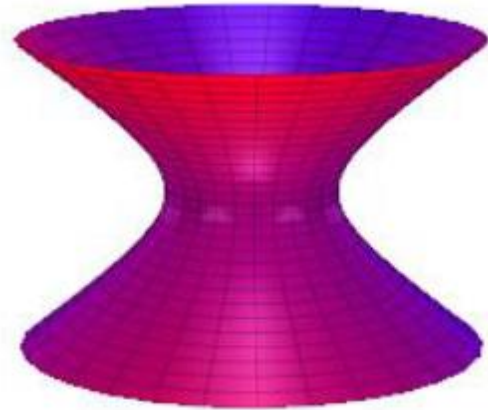
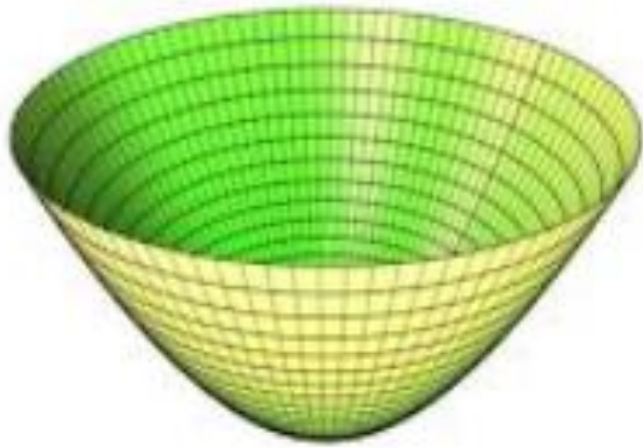
Ch. 10



Ch. 13



Ch. 14/15



How to get help: First, work ahead on homework; pretend the closing date is actually two days early.

1. Ask questions in quiz section.
2. Math Study Center – Comm. B-014
 - Mon – Thurs: 9:30am-9:30pm
 - Fri: 9:30am-1:30pm
 - Sun: 2:00pm-6:00pm
3. CLUE – Mary Gates Commons
 - Sun – Thurs: 7:00pm-midnight
4. Work in study groups.
5. Visit your TA's office hours.
6. Visit my office hours.
7. If you have tried all these other things, then email me.