Math 126 End of Week 2 Newsletter

UPCOMING SCHEDULE:

Friday:	Section 12.5 (lines/planes) and 12.6 (traces and names of some 3D surfaces).
Monday:	Section 12.6 (surfaces) and 13.1 (intro to 3D curves)
Tuesday:	Homework Question and Answer (bring homework questions pertaining to 12.1-12.4).
Wednesday:	Section 13.2 (calculus on parametric vector curves in 2D and 3D)
Thursday:	Worksheet/Review on parametric curves and homework questions
Next Friday:	Section 13.3 (measurements on 3D curves: arc length and curvature)

Worksheets

- *WS 2(a) solutions*: https://sites.math.washington.edu/~aloveles/Math126Spring2018/ws2aSolns.pdf
- *WS 2(b) solutions*: https://sites.math.washington.edu/~aloveles/Math126Spring2018/ws2bSolns.pdf
- *WS 2(c) solutions*: https://sites.math.washington.edu/~aloveles/Math126Spring2018/ws2cSolns.pdf

WS 2(a), (b), and (c) explore some of the logic and details of working with vectors, lines and planes. Read through them to verify your understanding of these concepts.

- ***WS 3*: Print this off and bring it to quiz section next Thursday.**
  https://sites.math.washington.edu/~aloveles/Math126Spring2018/sp18m126ws3.pdf

Homework: Closing Tues: 12.5 (part 2), 12.5 (part 3), 12.6 Closing Thurs: 13.1, 13.2

New Postings: There are several new postings on the course website:

1. ***12.5 Summary*:** www.math.washington.edu/~aloveles/Math126Spring2018/sp14m126review12-5.pdf
2. ***12.5 Visual/Derivation***: www.math.washington.edu/~aloveles/Math126Spring2018/Lines-Planes%20Visuals.pdf
3. ***12.5 Flowcharts***: www.math.washington.edu/~aloveles/Math126Spring2018/12-5Flowchart.pdf
4. ***12.5 Practice/Solutions***: www.math.washington.edu/~aloveles/Math126Spring2018/sp12m126PlanesAndLines.pdf
5. ***12-6 Notes***: www.math.washington.edu/~aloveles/Math126Spring2018/12-6%20Summary.pdf

SUPPLEMENTAL POSTINGS

6. If you want a refresher on circle, ellipses, parabolas and hyperbolas, see this (a ***review of conic sections***):
   https://sites.math.washington.edu/~aloveles/Math126Spring2018/ConicSectionsOverhead.pdf

Old Exams:

Departmental exam archive: www.math.washington.edu/~m126/midterms/midterm1.php
My exam archive here: www.math.washington.edu/~aloveles/Math126Spring2018/examarchive.html

For practice with 12.5 (Lines and Planes) you might try:

Problem 2 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126aut13lovelessExI.pdf
Problem 1 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr13lovelessExI.pdf
Problem 3 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr14taggartExI.pdf
Problem 2 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126win14bekyelExI.pdf
Problem 2 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr14rothvossExI.pdf

For practice with 12.6 (intro to surfaces) you might try:

Problem 2 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr11lovelessExI.pdf
Problem 3 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr14novikExI.pdf
Problem 2a from: http://www.math.washington.edu/~m126/midterms/midterm1/m126spr13lieblichExI.pdf
Problem 5 from: http://www.math.washington.edu/~m126/midterms/midterm1/m126aut09solomyakExI.pdf

I hope some of this helps. Now you have to put in the time and effort to really get to know these concepts well.

Dr. Andy Loveless