

Chapter 9: Polar Coordinates and Complex Numbers

Chapter Objectives

- graph polar equations (9.1, 9.2, 9.4)
- convert between polar and rectangular coordinates (9.3, 9.4)
- Add, subtract, multiply and divide complex numbers (9.5, 9.6)
- Convert between rectangular and polar forms of complex numbers (9.6)
- Find powers and roots of complex numbers (9.8)

Dec 8-12	Chapter 8 Review	Chapter 8 Test		9.1	9.1 Test Corrections
Dec 15-19	9.2	9.2	Quiz 9.1-9.2	9.3	TBD - Charity Bash Celebration?!?!?

Assignment#	Section	Homework
1	9.1 Polar Coordinates	pg. 558 #16-24 even, 32-40 even
2	9.1 continued	pg. 558 #6-10, 28, 29, 31, 42, 44
3	9.2 Graphs of Polar Equations	9.2 Worksheet #1
4	9.2 Graphs of Polar Equations	9.2 Worksheet (with calculator)
5	Quiz 9.1-9.2	I Heart _____ Picture
6	9.3 Polar and Rectangular Coordinates	_____