

Pre Calculus Unit 4 Outline – Vectors, Parametric and Polar Equations

Lesson 1: Introduction to Vectors

HW: p. 511: #1, 5, 9, 13, 17, 21, 25, 29, 33
p. 519 #1, 5, 13, 17, 21, 23, 29

Lesson 2: Vector Applications – Forces and Bearings

HW: p. 511 #3, 7, 11, 15, 19, 23, 27, 31, 35
p. 519 #3, 7, 15, 22, 24
p. 512 #41, 45
p. 520 #47

Lesson 3: Parametric Equations

HW: p. 512 #43
p. 520 #47
p. 530 #1, 5, 9, 13, 17, 21, 37, 39, 43

Lesson 4: Polar Points and Equations

HW: p. 530 #3, 7, 11, 15, 19, 40, 44
p. 539 #1, 5, 9, 13, 17, 21, 25, 29 (rename 3 ways), 35, 39, 43, 51
p. 548 #1-7 (look at and be able to identify #25-41 without a calculator)

Lesson 5: Complex Numbers

HW: p. 539 #3, 7, 11, 15, 19, 23, 27, 53
p. 558 #1, 5, 9, 13, 17, 21, 25
*** You are also responsible for p. 227 #1-47. This should be review.*

Lesson 6: Powers and Roots of Complex Numbers

HW: p. 558 #3, 7, 11, 15, 19, 23, 31, 35, 39, 43, 47, 51, 67
p. 558 #31-55 (every other odd), 67-69

Lesson 7: Review

p. 561 #1-10, 13-28, 35-68, 75-77, 84-86

Lesson 8: Test