

MATH 112
Review for Test 3 online
(Sections 5.1-5.5, 6.2-6.3)

Section 5.1: (4)

Law of Sines
Solve a Triangle
Application Problems

Section 5.2: (2)

Law of Cosines
Solve a Triangle
Length of a Chord

Section 5.3: (2)

Area of a Triangle
Heron's Area Formula

Section 5.4: (4)

Horizontal Component of Vector
Vertical Component of Vector
Magnitude & Direction Angle
Operations with Vectors
Dot Product

Section 5.5: (1)

Applications of Vectors

Section 6.2: (4)

Complex Numbers
convert to standard form
convert to trig form
Products/Quotients in Trig Form

Section 6.3: (3)

Powers of Complex Numbers
Roots of Complex Numbers
DeMoivre's Theorem

Review Problems:

Pg. 273: #9-26, 43, 44, 46

Pg. 282: #11-24, 45, 46

Pg. 290: #5-12, 17-28

Pg. 302: #21-54

Pg. 310: #1-7

Pg. 334: #21-58

Pg. 339: #3-52