

MAT170 HOMEWORK 06

Due Date: Aug 10, 2015

Name: _____

Instructions: Complete ALL the exercises listed on this worksheet on a separate sheet of paper and staple this sheet to the front. Show ALL your work and please write neatly. This assignment is due at the *beginning* of the recitation period on the date above unless otherwise specified (you will be notified both in class and on Blackboard). Group work is allowed and encouraged, but each member must write up his/her own solutions. Submissions without staples, without a name, or without work shown will not receive credit.

All exercises come from Chapters 5 and 6 Review Exercises in the text book.

§5.1 VERIFYING TRIGONOMETRIC IDENTITIES

Pages: 640.

Exercises: 2, 4, 6, 8, 10, 12.

§5.2 SUM AND DIFFERENCE FORMULAS

Page: 640.

Exercises: 14, 16, 18, 20.

§5.3 DOUBLE-ANGLE, POWER-REDUCING, AND HALF-ANGLE FORMULAS

Page: 640-641.

Exercises: 24, 26, 28, 30, 42.

§5.4 PRODUCT-TO-SUM AND SUM-TO-PRODUCT FORMULAS

Page: 641.

Exercises: 44, 46, 48.

§6.1 and §6.2 THE LAW OF SINES AND THE LAW OF COSINES

Page: 723-724.

Exercises: 2, 4, 6, 8, 12, 14, 16, 18.