

MAT170 HOMEWORK 05

Due Date: July 31, 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 Chapter 4 Review Exercises in the text book.

§4.2 TRIGONOMETRIC FUNCTIONS: THE UNIT CIRCLE

Pages: 580.

Exercises: 22, 24, 26, 28, 30.

§4.3 RIGHT TRIANGLE TRIGONOMETRY

Page: 581.

Exercises: 32, 34, 36, 38, 40, 42.

§4.4 TRIGONOMETRIC FUNCTIONS OF ANY ANGLE

Page: 581.

Exercises: 46, 48, 50, 54, 58, 60, 62, 64, 66.

§4.5 GRAPHS OF SINE AND COSINE FUNCTIONS

Page: 581-582.

Exercises: 68, 70, 76, 78.

§4.7 INVERSE TRIGONOMETRIC FUNCTIONS

Page: 582.

Exercises: 94, 96, 98, 100, 102, 104.

§4.8 APPLICATIONS OF TRIGONOMETRIC FUNCTIONS

Page: 582-583.

Exercises: 116, 118, 120.