

Fall, 2014

MATH 3500(H)
PROBLEM SET #14

T. Shifrin

DUE Monday, December 8, 2014.

Problems to work but not hand in:

§5.4: #2, 13, 25, 26a, 29a, 30a.

§5.5: #1b, 2, 4, 16.

Problems to turn in:

WeBWork Homework 14 (due Sunday, November 30, 11 pm)

WeBWork Homework 15 (due Monday, December 8, 11 pm)

§5.4: #9 (3), 17, (3), 21* (3), 28[†] (4).

§5.5: #3 (4), 10 (3), 11 (3), 17 (3), 18 (3).

Challenge problems (Turn in separately):

Required for all business/economics folks: §5.4: #33 (3).

§5.4: #31 (5), 32 (4), 34 (4).

§5.5: #18 (3), 20 (3).

*Here p and q are fixed.

[†]The relevance of the reference to Exercise 1.2.14 is that you should think about angles inscribed in circles. What condition on angles is necessary and sufficient for a quadrilateral to be inscribed in a circle? Why?