

Name:

Math 310, Spring 2009 Problems: Constructions

1. Use straightedge and compass only to precisely construct each of the following. Show all construction marks; neatness and accuracy count.

a. a 90° angle

b. a 45° angle

c. a 135° angle (Hint: Use your work in part (b).)

d. a 60° angle

e. a 30° angle

f. a 120° angle

g. a 150° angle

h. a 75° angle

i. a rhombus with a 60° angle