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 $90^\circ$ angle

   b. a $45^\circ$ angle

   c. a $135^\circ$ angle (Hint: Use your work in part (b).)

   d. a $60^\circ$ angle

   e. a $30^\circ$ angle

   f. a $120^\circ$ angle

   g. a $150^\circ$ angle

   h. a $75^\circ$ angle

   i. a rhombus with a $60^\circ$ angle