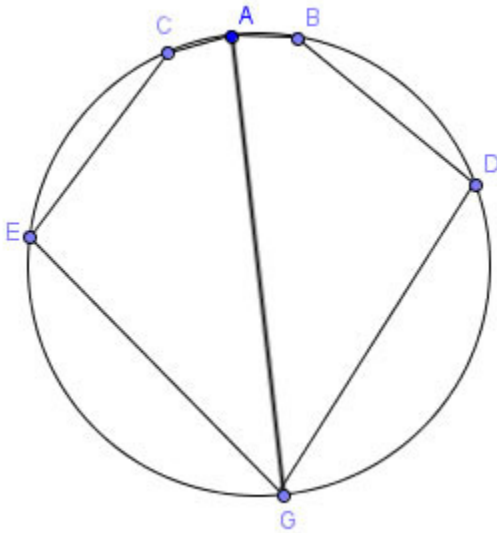


Name:

Math 490, Spring 2013: Homework #6
Due Tuesday, March 12, 2013

1. Do the two problems you received at the end of class on Thursday. Be prepared to present one of the two problems in class on Tuesday WITHOUT notes. Also be ready for questions.
2. A hexagon with sides of lengths 2, 2, 7, 7, 11, and 11 is inscribed in a circle. Find the length of the circle's diameter. (Hint: Use the figure below, where $AB = AC = 2$, $BD = CE = 7$ and $DG = EG = 11$. \overline{AG} is the circle's diameter.) [Note: Yes, I realize you did this in class. Here you need to write up your solution in your own words -- show work and cite GeoGebra if and when you use it.]



3. Prepare a π -Day activity to do with the class on March 14 (next Thursday). Guidelines: You must work with one other student from our class and your activity/preparation must advance your own knowledge of π . That is, YOU must learn something from planning and presenting. Creativity is encouraged. If you find ideas online or elsewhere, be sure to cite/credit your sources.

From TEXT:

5.10: 1-5