

**GEOMETRY REGULAR
LEARNING CONTRACT
DIAMETER/CIRCUMFERENCE RELATIONSHIP
February 12 – 15, 2013**

Learning Targets:

1. I can explain the relationship between the diameter and the circumference of a circle.
 2. I can use the diameter/circumference relationship with algebra to find the values of radii, diameters and circumferences of circles.
 3. I can apply the circumference/diameter relationship to real-world problems.
- **By Friday, you need to have completed at least 3 of the bolded assignments listed below.** You may do more than 3.
 - There may be other warm ups or exit slips that I assign during class that I will collect also.
 - The activities in the Non-negotiables column are the mandatory assignments.
 - You can choose between the Needs Practice and the Above & Beyond for your others.
 - **You must show all work for each problem for the assignment to be accepted, including drawing pictures, if necessary.**

Non-negotiables:	Needs Practice	Above & Beyond
LT1a. Sec. 6.5 Opening Investigation.		Proof of Inscribed Angle Conjecture (Read p. 325–6 of textbook and see me for mini-project)
LT1b. Textbook p. 333: 5, 6, 10, 11, 12.		
	LT2b. Textbook p. 333: 1 – 4, 7 – 9.	LT1c. Textbook p. 335: 14, 15
LT3a. Sec. 6.6: Around the World Investigation	LT3b. Textbook p. 338: 1 – 6	LT3c. Textbook p. 338: 2, 4, 6, 8.
LT3d. Presentation of group problem. (Sec. 6.6)		

Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
11 Quizzest	12 Sec. 6.5 Opening Investigation	13 Using the diameter / circumference relationship to find radii, diameters, or circumferences of circles.	14 Around the World Activity. Prepare presentation problem	15 Presentations.
	<u>Suggested Assignment:</u> LT1b and proof of inscribed angle conjecture.	<u>Suggested Assignment:</u> LT2b or LT1c	<u>Suggested Assignment:</u> LT3b or LT3c	Turn in 3 (or more) assignments with evaluation sheet.

Period _____

Contract: _____

Contract Evaluation

In order to receive a 5, each assignment must be complete and include these items listed below:

- ☐ Is stamped in as “on time” (all questions attempted with some response about how to approach the problem)
- ☐ Has the title (for example: Sec. 1.2: 1, 2, 3, 4, 5), the date and your name.
- ☐ Includes all pieces of information that are given to you in the problem, including diagrams.
- ☐ Shows how you answered the problem each step of the way. In other words, shows your work!
- ☐ Includes a statement of your level of understanding and questions about things you didn't understand.

Contract Evaluation: _____ student _____ teacher

Note: Your score will go in the grade book. My score is for you to compare with yours to see if you are assessing yourself according to my standards. **Please be thoughtful and honest about your work.**

Scoring

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| 5 | All of the above items are complete. It is clear from reviewing the problems that the student understands the material. All corrections and omissions are made as they appear in the homework solutions. |
| 4 | The homework is missing one or more items above, or several of the items are incomplete or lacking work. The homework shows an adequate understanding of the material. |
| 3 | The work wasn't complete when checked in (i.e., no stamp) or on graph paper (when necessary). The work shows a minimal effort, showing that the student did some of the work, but doesn't understand the concepts and/or did not make corrections or complete missing questions. |
| 0 | Homework was not attempted or corrected. |