VOCABULARY (have your vocabulary sheet out EVERY day)

(1) TO DO: Use the links on my website (words with a *) to define and illustrate the following terms on the vocabulary sheet. If you do not have access to the website, use a geometry textbook (glossary and index) to define and illustrate them.

Circle *	Center *	Radius *	Diameter *	Central Angle *
Arc *	Major Arc *	Minor Arc *	Inscribed Angle *	Intercepted Arc *

(2) TO READ & PLAY: Obtain a set of circle vocabulary cards. Shuffle the cards and place them face down on the desks in your group. Each student in the group will take a turn in order from the student with the longest hair to the student with the shortest hair. A turn: Flip 2 cards over. If they are a match, take them and keep them together as a pair and take another turn. If they are not a match, then the next person takes a turn. Play until all matches are made. Record the number of pairs you made. Shuffle the cards and play again. Play as many games as you can in **12 minutes** then stop and move on to the next task.

Game 1 # of pairs:	Game 2 # of pairs	Game 3 # of pairs	Total # of pairs
Name of student with the mos	t pairs overall for your group:	·	·
(Teacher Note File: Circle V	(ocabulary Cards)		

(3) TO READ AND DO: Use the website link for Task 1 #3 (be sure to click the "show central angle box) or your textbook to investigate the relationship. Complete a sketch for each example. Be sure to label the arc measure and the central angle measure.



Write a sentence that summarizes the relationship between the measure of a **central angle** and the measure of the **arc it intercepts**.

BEFORE YOU GO ON:

The sum of all non-overlapping central angles in a circle is _____ so the measure of the sum all non-overlapping arcs is _____.

Vertical angles are ______. And finally, angles or arcs with the same marks are ______.

Name

L

SLO: I can use definitions & theorems about points, lines and planes to determine relationships

between them. Problems worthy of attack prove their worth by fighting back. —Piet Hein THE ROAD TO WISDOM? Well, it's plain and simple to express. Err and err again, but less and less. — Piet Hein.

(4) Apply vocabulary and the relationship you found in part 3 of this task. Finish for Homework & check.



Solve for *x*. Assume that lines which appear to be diameters are actual diameters.





m∠VST

Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.



