Geometric Proof		
A geometric proof is a method of determining whether a statement is true or		
false with the use of logic and facts. It is comprised of a sequence of Statements		
with reasoning that generally follow a logical progression. This		
needs to be a <u>systematic</u> process:		
1. What do I need to prove? Start by stating the definition to give		
you a map of what you need to accomplish.		
2. Give EVIDENCE to support what you need to accomplish. Often times		
this will require <u>algebraic</u> support. (may need to do some Calculations		
3. Interpret the evidence. What does it tell you? Be sure to		
explain how you know.		
4. State your <u>Conclusion</u> . Can you prove it or not? Again, give		
reasoning to support your statement. (may seem repetitive!)		
A proof is a logical argument that convinces your audience		
that what you are saying is TRUE.		
In order to prove: Evidence Needed (find) Look For		
		Show that slopes are
Parallel Lines  at mAB=\frac{2}{4} m CD=\frac{2}{4}	slopes	EQUAL
TO 1155 Lacousodia		
slopes are EQUAL.	slopes	show that slopes are
Perpendicular Lines		OPPOSITE RECIPROCALS
are opposite reciprocals. Show that lengths are		
Congruent Segments	ieriatns	
	(Pythagorean Thm)	EQUAL
¥		10 Show OPPOSITE RECIPROCAL
Right Angle(s)	Slopes	slopes to prove lines are PERPENDICULAR. @ Then, by
Right Angle(s)  (see L above!)  LA is a right 2 because	• •	definition I lines form ste

BE SPECIFIC when stating your interpretations.
What sides? What segments? What angle(s)?