Name ____

_____ Date _____ CYU 2.5 Geometric Reasoning DAY TWO Verifying Angles

Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

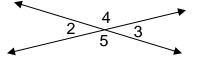
G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Addition/Subtraction POE/POC	4		
Substitution POE	1	8	
Transitive POE/POC	3	10	
Def. of Congruent Angles/Segments	2	11, 12	15 - 21
Def. of Vertical Angles	6		15 - 21
Def. of Complementary/Supplementary Angles	5	9	15 - 21
Def. of Right angles	7		
Angle or Segment Bisector		12	
Def. of Midpoint		13, 14	
 Give a reason (property, postulate, theorem 1. Given: m∠1 + m∠2 = 180, m∠1 = m∠3 Then: m∠3 + m∠2 = 180 Reason: 2. Given: ∠A ≅ ∠B Then: m∠A = m∠B Reason: 			
3. Given: $\overline{AB} \cong \overline{TH} \& \overline{TH} \cong \overline{DW}$			
Then: $AB \cong DW$ Reason:			

- 4. Given: $m \angle 1 + m \angle 2 = m \angle 3 + m \angle 2$ Then: $m \angle 1 = \angle 3$ Reason: _
- 5. Given: $\angle 2$ and $\angle 4$ are supplementary Then: $m\angle 2 + m\angle 4 = 180$ Reason: ____
- 6. Given: the figure below Then: $\angle 4 \cong \angle 5$ Reason: ____



Pd _____

 7. Given: ∠A is a right angle Reason: 	Then:	
 6. Given: m∠8 = 90 & m∠9 = 90 Reason: Substitution Property 	Then:	
 Given: ∠1 & ∠2 are complementary Reason: 	Then:	
10. Given: $\angle P \cong \angle Q \& \angle Q \cong \angle R$ Reason: Transitive prop of congruence	Then:	
11. Given: AB = PQ Reason: If 2 segments have the equal lengt	Then:	
12. Given: AD is an angle bisector in the figure to the right Then:		
13. Given: $\overline{AB} \cong \overline{BC}$ Prove: B is midReason:	lpoint of \overline{AC}	
14. Given: B is midpoint of AC Prove: $\overline{AB} \cong \overline{AB}$	A B C	
Reason:		
Use the figure at the right to answer #15 - 21		
15. ∠FGA ≅	A F	
16. \angle BGF and are supplementary		
17. m∠CGD =	$\begin{array}{c} \bullet \\ B \\ 43^{\circ} \\ G \\ 56^{\circ} \\ \end{array}$	
18. m∠AGF =		
19. ∠EGC and are supplementary		
20. m∠AGB =		
21. m∠AGC =		

CYU Reflection: How far can you go: basic, intermediate, or advanced? Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give



