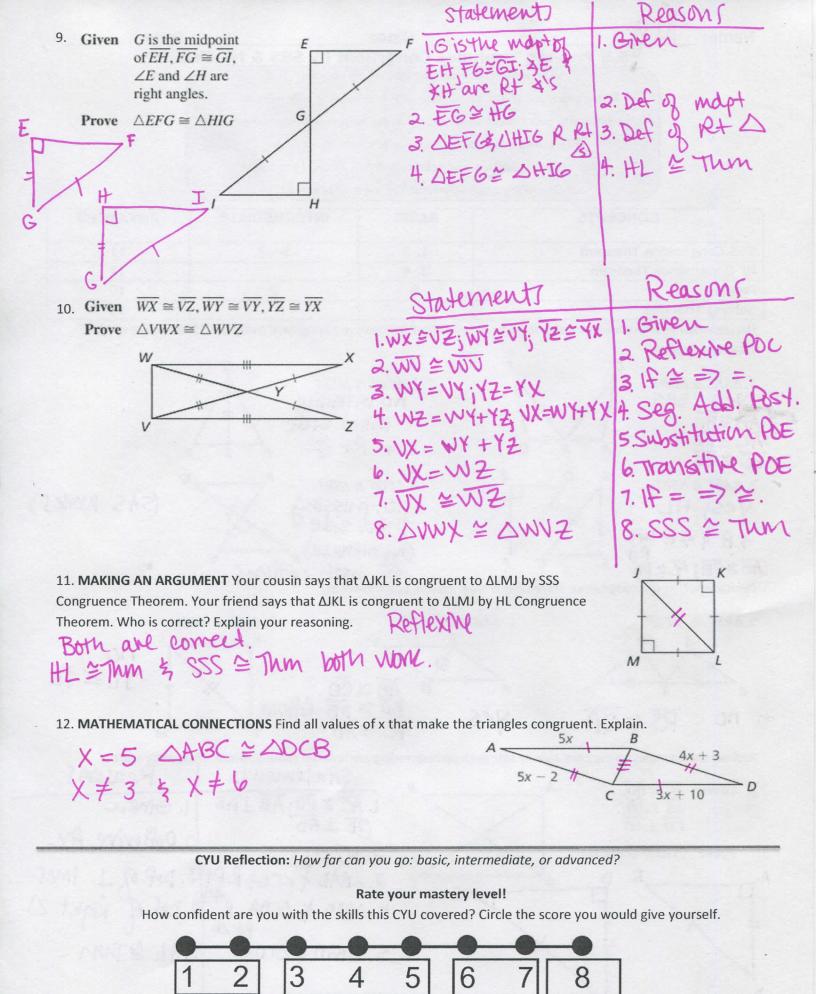
Name: Key	Date:		Period:
	riangles Congrue	nt by SSS & HL CY	(U
	when you get it right all by		
S Use when you did it all by yourself, but made a silly mistake			
#Use when you could do it alone with a little help from teacher or peer			
G Use when you completed the problem in a group			
X Use when a que	estion was attempted bu	t wrong (get help)	
NUse whe	n a question was not ever	n attempted	
			1000000
CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
SSS Congruence Theorem	1, 2	5 - 7	11
HL Congruence Theorem	3, 4	3 /	11
Proofs	8	9	10
Solving Triangles			12
Decide whether enough information is gi	van to prove that triangles	are congruent using the S	
	ven to prove that thangles	are congruent using the s.	33 THEOLETH OF THE
Theorem. Explain.			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 ADOCO	ADOC A	
1. DABC & DDBE 2. DPQS & DRQS NO MISSING			
_ *			
AB=BD third side / T			
ACEDE A B O OV RT 4 P S R			
BC = BE			
3. ΔABC & ΔFED 4. ΔPQT & ΔSRT			
ves: HL no, missing (SAS WONKS)			
third side			
4B \$ 4 E are (humlenuse)			
ABZIFE; ACZ FD B C F for both optims			
Decide whether the congruence statement is true. Explain your reasoning.			
$5. \Delta RST \cong \Delta TQP$	$6. \Delta ABD \cong \Delta CDB$	$7. \Delta JKL \cong L$	\LJM
S Q B C K L			
no =			
TETL			
BO WES BO WE DE Reflexive			
no RS ≅ QP	yes ou	DR KIKWIE	
K3 = Q1	BC =	AO J	M
Redraw the triangles so they are side by side with corresponding parts in the same position. Then write a proof.			
		Statement	Reasons
8. Given $\overline{AC} \cong \overline{BD}$, A			
$AB \perp AD$,		K=BO; AB LAD	1. Given
$CD \perp AD$	\times c	D TAD	2. Reflexive for
Prove $\triangle BAD \cong \triangle CDA$	2.7	TO ≙ AD	a. Refluction Too
A P D			3. Def of I Imes
A D D		LBAD & LCDA K RT	o. her of I lives
	41	BAD & DODA R	4. Def of Right ()
‡ X /	"	RYA	
1 /	5	DBAD ≅ △CDA	5.HL & Thin
	3.4	ואטבעטיוענ	5.11C 2 1.11C .
		0 15 1	
A			



Basic

Intermediate

Advanced Solved ALL!