	.esson (print first and last) Rigid Transformations: C	ongruence			Date: <u>10</u> ometry Rege	<u>/31 due 11/1</u> nts 2013-2014 Ms. Lomac
SLO: I	can explain the relationsh		tions and congruer			
(1)	Construct the perpendicu	lar bisector of \overline{WK} t	at R is the			
	midpoint of \overline{WK} . Constr	ucting the perpendic	cular bisector of $\overline{\overline{W}}$	\overline{K}		. W
	supports the claim that R	is the midpoint of \overline{W}	\overline{K} because			R
						W
						`.K
	Correspondence can be in pairs. (a) Are pairs of every (b) Think about a pair	day objects always	identical/congruen	t?		
	Left Shoe:	Lace	Sole	•	Fongue	Velcro
	Right Shoe:					
	Like the shoes, correspors will be when a figure und			=	=	
	s will be wrien a ligare and					

Write the abbreviation (function notation) for the transformation _____

A_{\bullet} B	Sides:,,,
	Angles:,,,
	Are the corresponding parts congruent? because
C	
	,C" /\
6) Below is a composition of tr	ransformations.
	/ / /
	A"
	7
(a) Describe the transfo	ormations
(b) ☐ State the compositi(c) ☐ List each set of correlation	ion of transformations in function notation
· <i>· —</i>	· · · · · · · · · · · · · · · · · · ·
· <i>· —</i>	
(d) ☐ List each set of corre	
(d) ☐ List each set of correct co	responding angles
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(d) ☐ List each set of correct co	responding angles
(d) \square List each set of correct correct co $\triangle CAB \cong \triangle A "B"$	responding angles
(d) ☐ List each set of correct correc	responding angles \rightarrow
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(d) ☐ List each set of correct correct to ☐ Circle the correct correct ACAB ≅△A"B" of All of the triangles in the diagram mposition of transformations that use the other 2 triangles in the A	responding angles \rightarrow
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3.11 Rigid Transformations: Congruence	Geometry Regents 2013-2014 Ms. Lomac
For each diagram below, (a) Describe the compositi function notation, (c) Write a congruence statement fror	ion of transformations, (b) Write the composition of transformations in the original to the final image.
(1) B B C C C C C C C C C C C C C C C C C	
(2)	
c B X	

3.11 Exit Ticket In square ABCD, diag	Nameonal AC is drawn. The triangles are reflections. Write a congruence statement for the triangles: Write the function notation for the reflection:	Sol got this! Sol got the sol got
3.11 Exit Ticket In square ABCD, diag	Nameonal AC is drawn. The triangles are reflections. Write a congruence statement for the triangles: Write the function notation for the reflection:	☐ ♥ I got this! ♠ ☐ ● I can with a bit of help ♠ ♠ ☐ ♥ I will, given lots of help ﴾ Я ☐ ♥ I can't ♣, ☐ ♥ I won't bother to ♣ ☐ ♥ I refuse to ♠
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