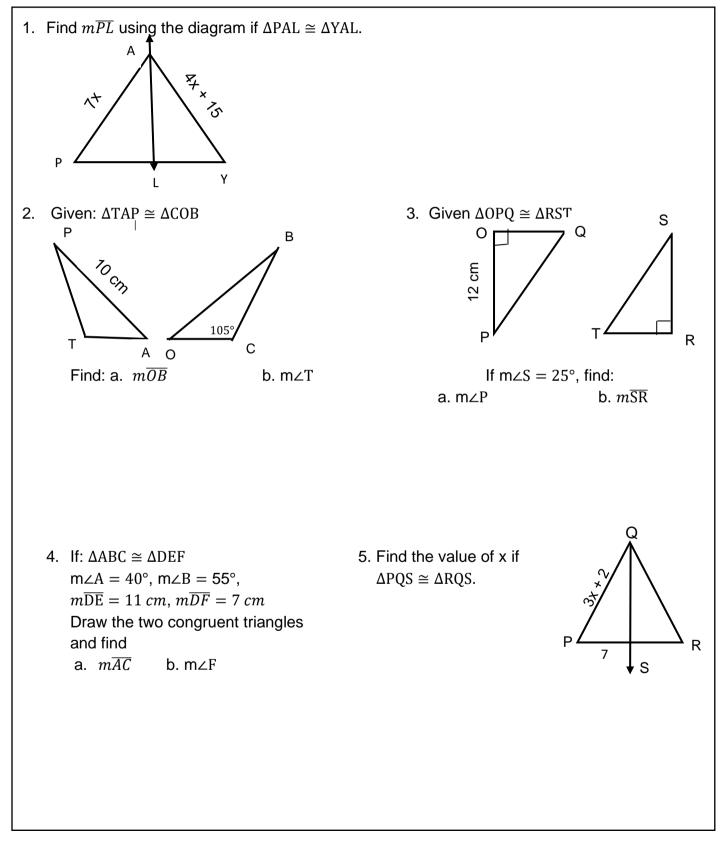
Name: ______ Score: _____ Date: _____ Score: _____

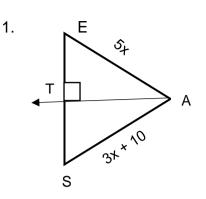
Solving Corresponding Parts of Congruent Triangles

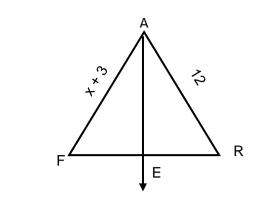
A. Solve the following:

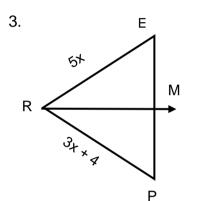


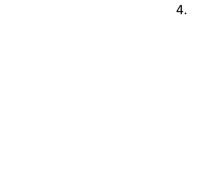
Specific Week: Week 5 Target Competency: solves corresponding parts of congruent triangles. Note to the Teacher: This is a summative assessment.

B. Find the value of x.

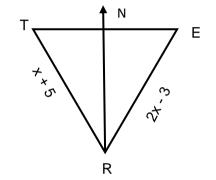


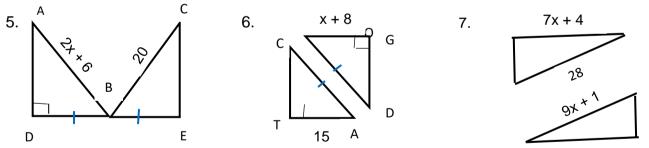






2.



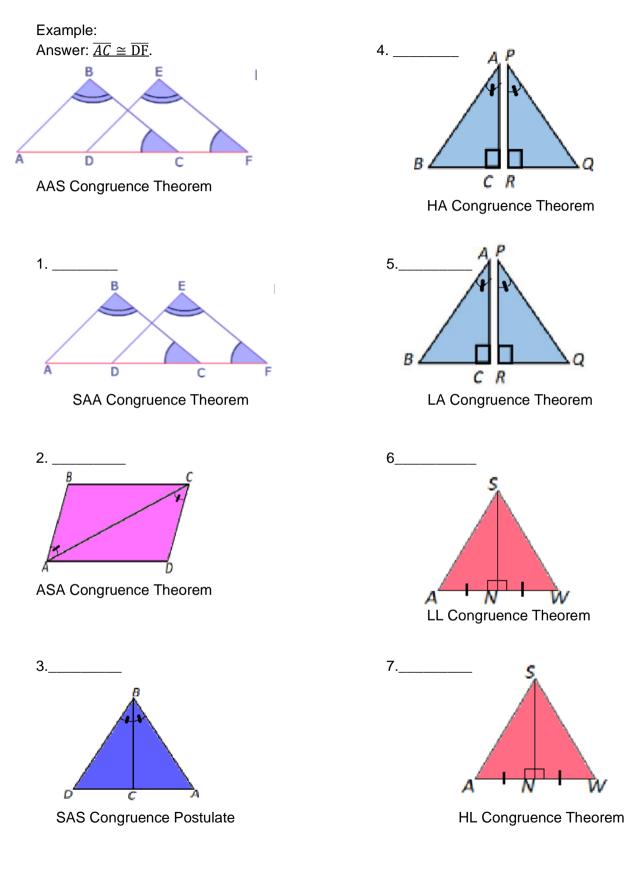


x + 2

Specific Week: Week 5 Target Competency: solves corresponding parts of congruent triangles and proves triangles are congruent. Note to the Teacher: This is a summative assessment.

Proving Triangles are Congruent

A. Determine what additional pair of corresponding parts must be congruent to prove that the two triangles are congruent using the indicated congruence postulate and theorems.



Specific Week: Week 5

Target Competency: solves corresponding parts of congruent triangles and proves triangles are congruent. **Note to the Teacher:** This is a summative assessment.

Directions: Choose and	d write the letter of you	ur answer on the space p	rovided before the number.	
	e postulate/theorem of \overline{LJ} and \overline{VN} bisect ea		hat $\Delta LIV \cong \Delta JIN$ given that \overline{LV} is	
A. SAA	B. SAS	C. SSS	D. ASA	7 ^v
is needed to pro	ve that $\Delta LIV \cong \Delta JIN$ b	mber 1, what additional poyusing SSS congruence tts \overline{LJ} and \overline{VN} bisect each	e theorem?	Z ¹
A. $\overline{LI} \cong \overline{JI}$	$B.\ \overline{VI}\cong\overline{NI}$	C. $\overline{LV} \cong \overline{JN}$	D. $\overline{IL} \cong \overline{IJ}$	
prove that ΔLIV :	$\cong \Delta JIN$ by using SAS	mber 1, what additional p congruence postulate? ts \overline{LJ} and \overline{VN} bisect each	pair of congruent parts is needed	to
A. ∠VLI ≅ ∠JNI	B. ∠LIV ≅ ∠NIJ	C. ∠LVI ≅ ∠NJI	D. ∠IVL ≅ ∠IJN A	S N
4. In the given figur	e, what congruence p	ostulate/theorem will pro	ve that ∆CAS ≅ ∆JIN? = 💉	-
A. SAA	B. SAS	C. SSS	D. ASA c J	Г
•		S are right triangles and and ∆CAS are congruen	$\overline{JN} \cong \overline{CS}$. What right triangle t?	
A. HA	B. LA	C. LL		[→] N
6. Given ∆CAS ≅ ∆ ∠C = (2x +8)° a		sure of $\angle S$ if $\angle N = (x + 2)^{n}$	P and	C C
A. 35°	B. 42°	C. 49°	D.56 ° s	
7. Using the same	given in number 6, wh	at is the value of x?		
A. 40 B.	42 C	D. 44 D. 4	6	
	triangle $\triangle ABC$ with AE rems will prove that \triangle		dicular to BC at D. What right tria	angle
A. HA & LA	B. LA & LL	C. LL& HL	D. HL & HA	
9. Which of the follo	owing cannot be used	to prove the congruence	of triangles?	
A. SSA	B. SAS	C. SSS	D. ASA	
	s $\triangle BUR$ and $\overline{UB} \cong \overline{UR}$ onclude about \overline{BY} and	$\overline{\Omega}$. If Y is a point on the alt $ \overline{RY}$?	itude to \overline{BR} ,	\backslash
A. $\overline{BY} > \overline{RY}$	$B.\ \overline{BY} = \overline{RY}$	C. $\overline{BY} < \overline{RY}$	D. insufficient Information	¥ Дг

Specific Week: Week 5

Target Competency: solves corresponding parts of congruent triangles and proves triangles are congruent. **Note to the Teacher:** This is a summative assessment.

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