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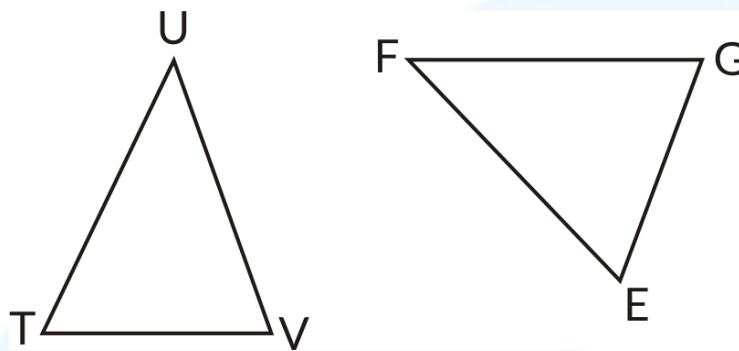
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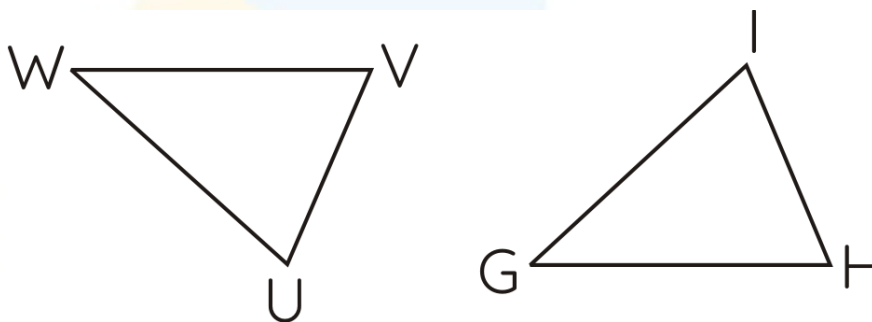
Congruent Triangles Worksheet

Follow these instructions for questions 1-3. Indicate the corresponding sides and angles for each congruence statement below:

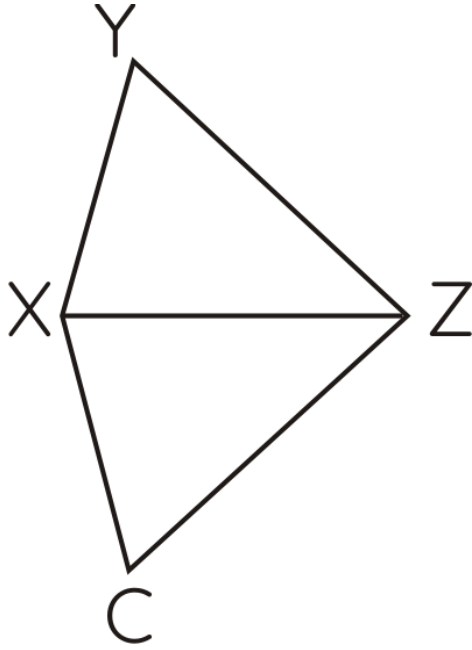
1) $\triangle TUV \cong \triangle GFE$



2) $\triangle WVU \cong \triangle GHI$



3) $\triangle ZXY \cong \triangle ZXC$



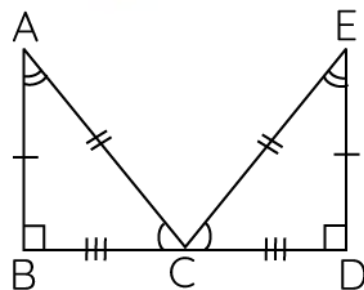
4) If the triangles $\triangle XYZ$ and $\triangle MNL$ are congruent, what is the corresponding part of XZ ?

5) True or False - If two triangles are congruent then their corresponding sides and their corresponding angles are equal.

Follow these instructions for the question 6-8.

Complete each congruence statement.

6) $\underline{AB} \cong \underline{\quad}$



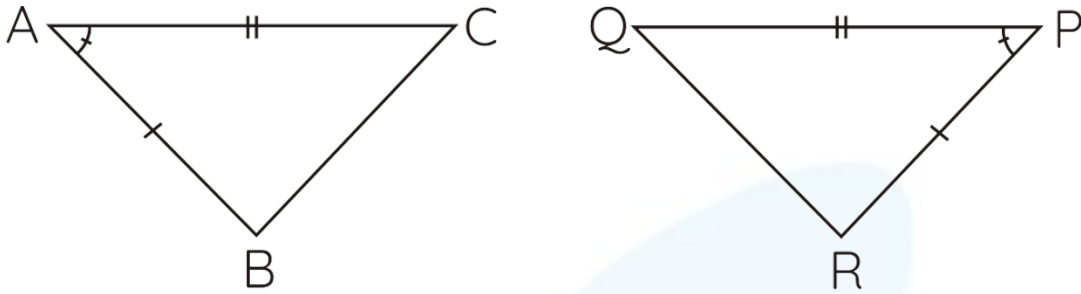
7) $\triangle PQR \cong \triangle LMN$

$\underline{QR} \cong \underline{\quad}$

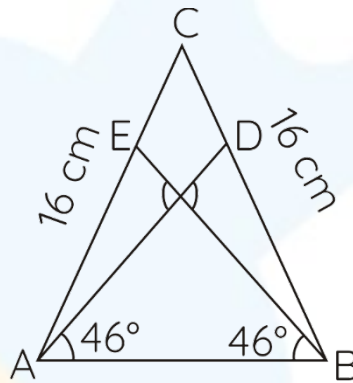
8) $\triangle LPG \cong \triangle QRS$

$\angle L \cong \underline{\hspace{1cm}}$

9) State the property of congruence in the below congruent triangles



10) Find the length of AD , if $BE = 8$ cm



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1.	$AB \cong UV$ $\angle A = \angle U$	$BC \cong VT$ $\angle B = \angle V$	$AC \cong UT$ $\angle C = \angle T$
2.	$PQ \cong XR$ $\angle P = \angle X$	$QR \cong RV$ $\angle Q = \angle R$	$PR \cong XV$ $\angle R = \angle V$
3.	$HI \cong LM$ $\angle H = \angle L$	$IJ \cong MN$ $\angle I = \angle M$	$HJ \cong LN$ $\angle J = \angle N$
4.	QP		
5.	False		
6.	$\angle U$		
7.	<u>HJ</u>		
8.	$\angle T$		
9.	SSS		
10.	7		

FUN FACT

1. You can "eat" them (two small congruent triangles can form a slice of pizza)!
2. Congruent triangles can form the small little squares on those groovy disco balls!
3. You know those beautiful rings women wear when they're married? Yup those babies are made of congruent triangles, too.

