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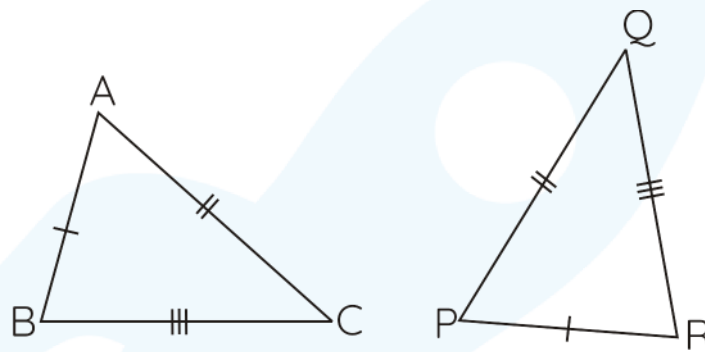
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# Congruent Triangles Worksheet

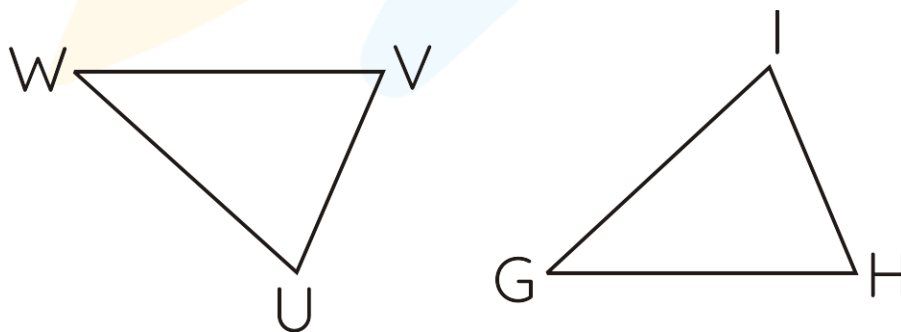
## Questions

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

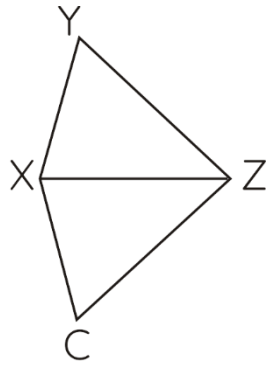
1.  $\triangle ABC \cong \triangle PQR$



2.  $\triangle WVU \cong \triangle GHI$



3.  $\triangle ZXY \cong \triangle ZXC$

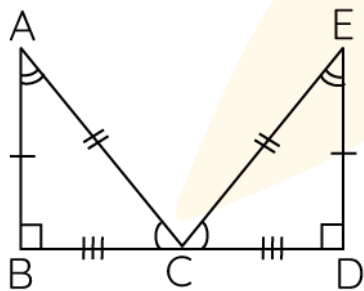


4. If the triangles XYZ and MNL are congruent, what is the corresponding part of XZ?
5. True or False - If two triangles are congruent then their corresponding sides and their corresponding angles are equal.

**Follow these instructions for the question 6-8.**

Complete each congruence statement.

6.



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

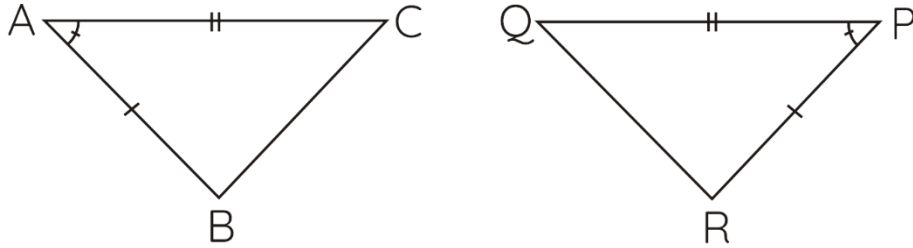
7.  $\triangle PQR \cong \triangle LMN$

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

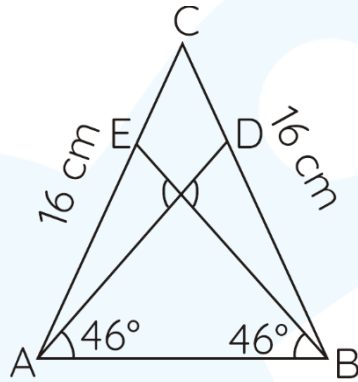
8.  $\triangle LPG \cong \triangle QRS$

$$\angle L \cong \underline{\quad\quad\quad}$$

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



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



**ANSWERS**

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- Gary Schwartz

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- 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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1.	$TU \cong GF$ $\angle T = \angle G$	$UV \cong FE$ $\angle U = \angle F$	$TV \cong GE$ $\angle V = \angle E$
2.	$WV \cong GH$ $\angle W = \angle G$	$VU \cong HI$ $\angle V = \angle H$	$WU \cong GI$ $\angle U = \angle I$
3.	$ZX \cong ZX$ $\angle Z = \angle Z$	$XY \cong XC$ $\angle X = \angle X$	$ZY \cong ZC$ $\angle Y = \angle C$
4.	ML		
5.	True		
6.	ED		
7.	<u>MN</u>		
8.	$\angle T$		
9.	SSS		
10.	7		