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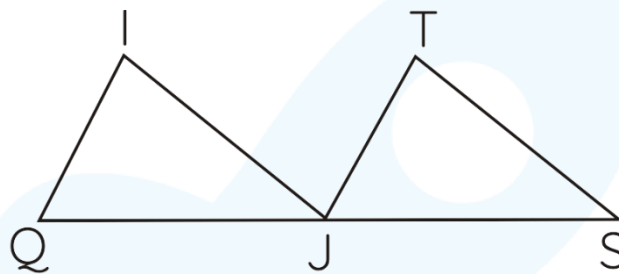
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Congruent Triangles Worksheet

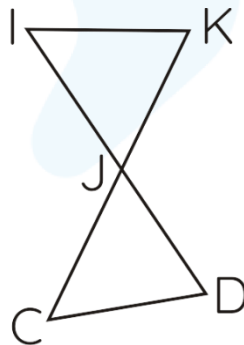
Questions

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

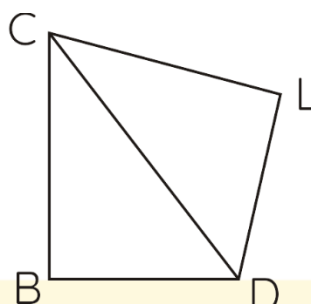
1. $\triangle QIJ \cong \triangle JTS$



2. $\triangle JIK \cong \triangle JCD$



3. $\triangle CDB \cong \triangle CDL$

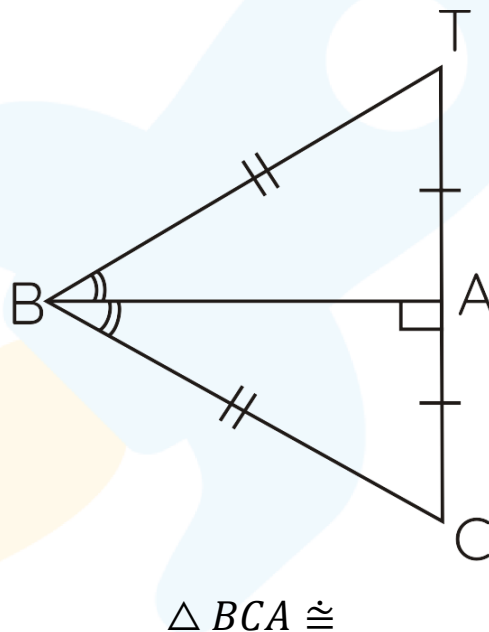


4. If the triangles DEF and JKL are congruent, what is the corresponding part of FE?
5. True or False - Two right-angled triangles are congruent if the hypotenuse and a leg of one of the triangles is equal to the hypotenuse and the corresponding leg of the other triangle.

Follow these instructions for the question 6-8.

Complete each congruence statement.

6.



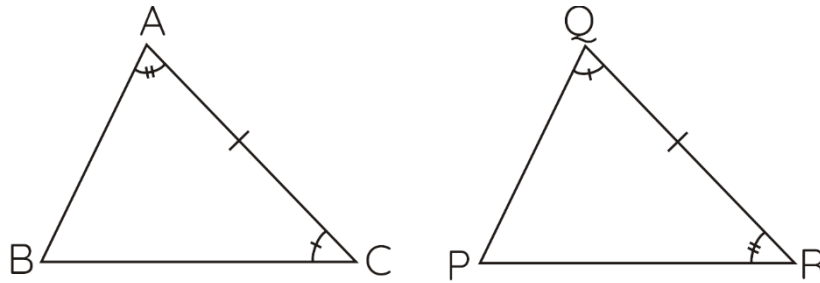
7. $\triangle NMO \cong \triangle FHJ$

$\underline{MO} \cong \underline{\quad}$

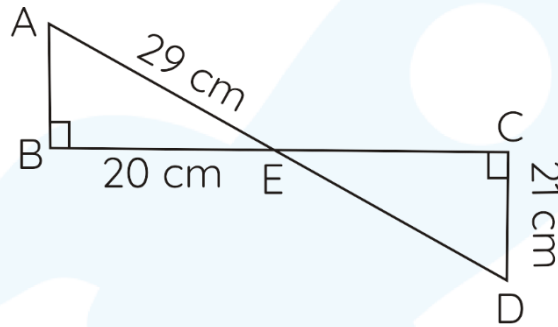
8. $\triangle CDE \cong \triangle XYZ$

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

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



10. Find the length of DE



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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.	$QI \cong JT$ $\angle Q = \angle J$	$IJ \cong TS$ $\angle I = \angle T$	$QJ \cong JS$ $\angle J = \angle S$
2.	$JI \cong JC$ $\angle J = \angle J$	$IK \cong CD$ $\angle I = \angle C$	$JK \cong JD$ $\angle K = \angle D$
3.	$CD \cong CD$ $\angle C \cong \angle C$	$DB \cong DL$ $\angle D \cong \angle D$	$CB \cong CL$ $\angle B \cong \angle L$
4.	LK		
5.	True		
6.	$\triangle BTA$		
7.	<u>HJ</u>		
8.	$\angle Z$		
9.	ASA		
10.	29		