

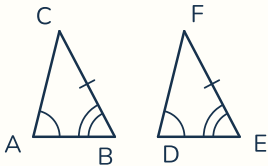
Write a triangle proof — Write a congruence proof

Name: _____

Date: _____

Write a full two-column proof for each. Reasons may be used more than once.

1

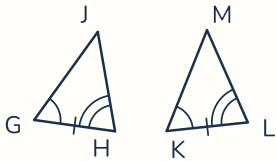


Given $\angle A \cong \angle D$; $\angle B \cong \angle E$; $BC \cong EF$

Prove $\triangle ABC \cong \triangle DEF$

Statements	Reasons
1.	
2.	
3.	
4.	

2



Given $\angle G \cong \angle K$; $GH \cong KL$; $\angle H \cong \angle L$

Prove $\triangle GHJ \cong \triangle KLM$

Statements	Reasons
1.	
2.	
3.	
4.	



Write a triangle proof · Write a congruence proof — Answer key

- | | |
|--|--|
| 1. $\triangle ABC \cong \triangle DEF$ — 1. $\angle A \cong \angle D$ — Given; 2. $\angle B \cong \angle E$ — Given; 3. $BC \cong EF$ — Given; | 2. $\triangle GHJ \cong \triangle KLM$ — 1. $\angle G \cong \angle K$ — Given; 2. $GH \cong KL$ — Given; 3. $\angle H \cong \angle L$ — Given; |
| 4. $\triangle ABC \cong \triangle DEF$ — AAS | 4. $\triangle GHJ \cong \triangle KLM$ — ASA |

