

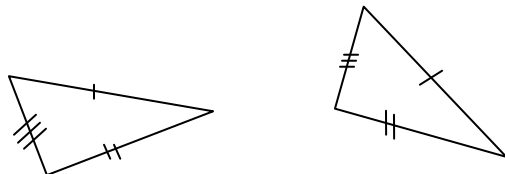
## Congruent Triangles 1

1. Decide whether each of the following pairs of triangles is congruent, and if so state which reason you used.

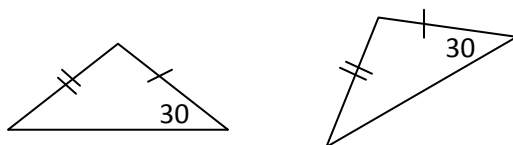
a.



b.



c.

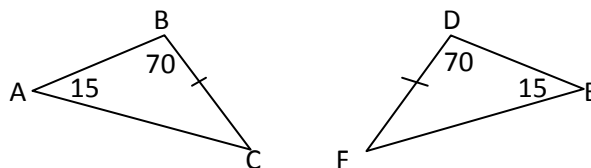


d.

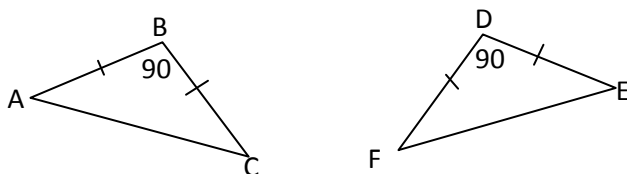


2. Prove  $\triangle ABC \equiv \triangle DEF$  in each case below, giving reasons for each step.

a.



b.



3. ABCD is a square. Prove  $\triangle ABD \equiv \triangle BCD$ , giving reasons for all steps.

