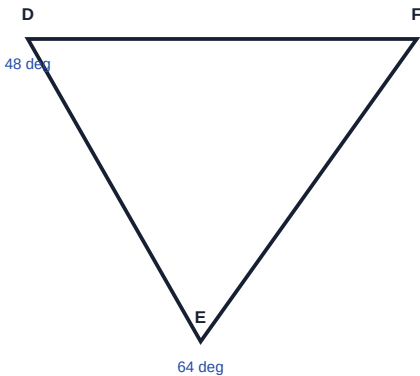
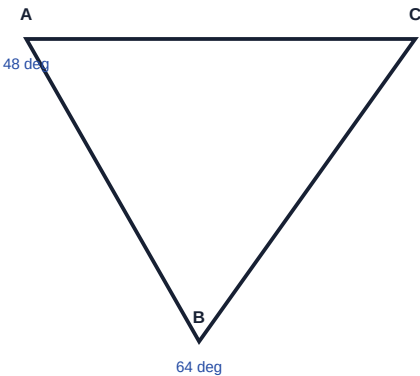


Similar Triangles

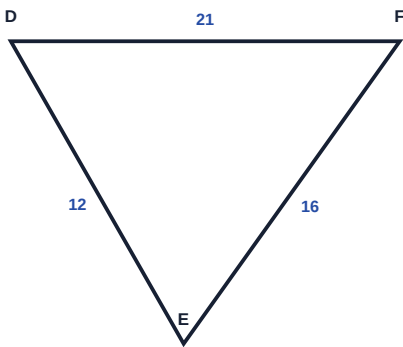
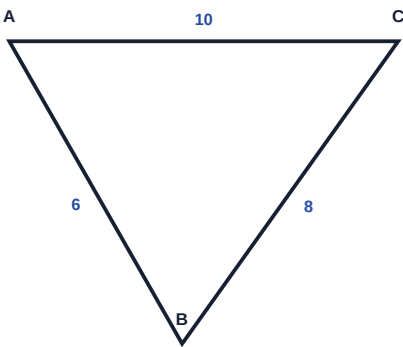
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

1. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar? _____ Justification and correspondence: _____

2. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.

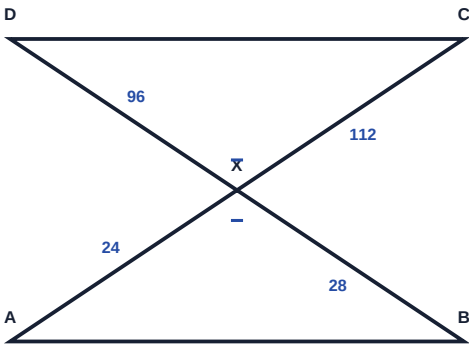


Similar? _____ Justification and correspondence: _____

Similar Triangles

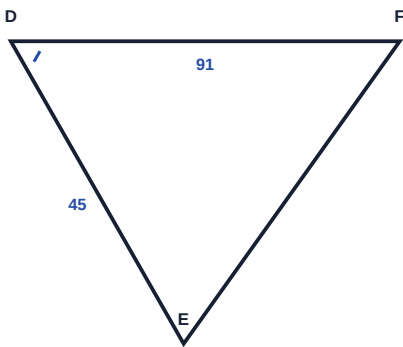
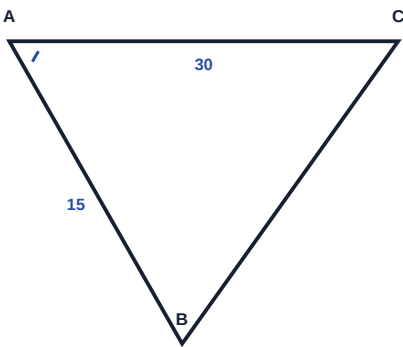
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

3. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar? _____ Justification and correspondence: _____

4. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.

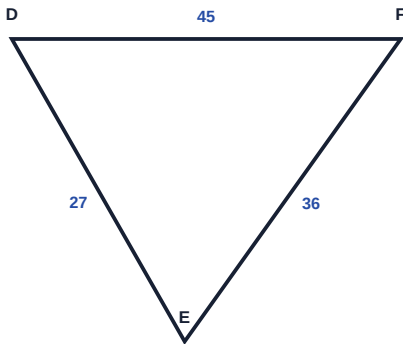
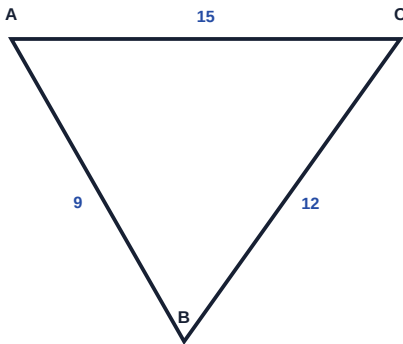


Similar? _____ Justification and correspondence: _____

Similar Triangles

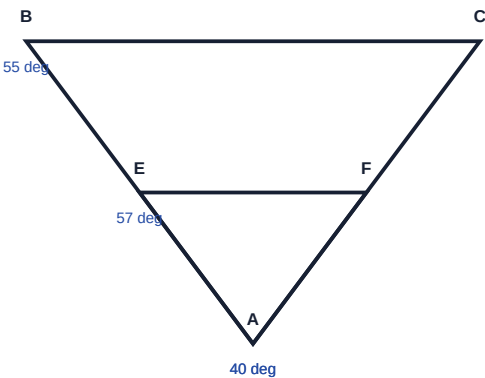
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

5. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar? _____ Justification and correspondence: _____

6. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.

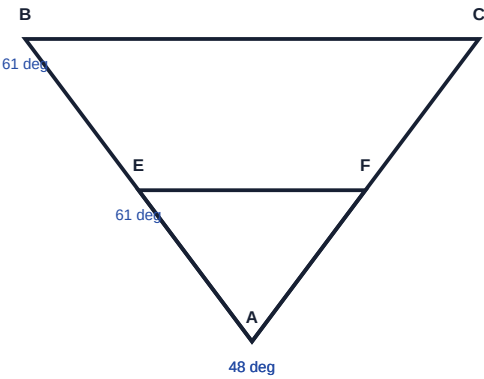


Similar? _____ Justification and correspondence: _____

Similar Triangles

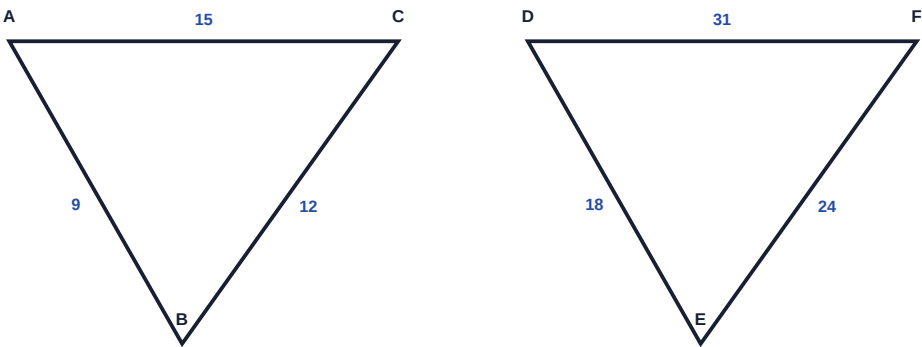
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

7. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar? _____ Justification and correspondence: _____

8. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



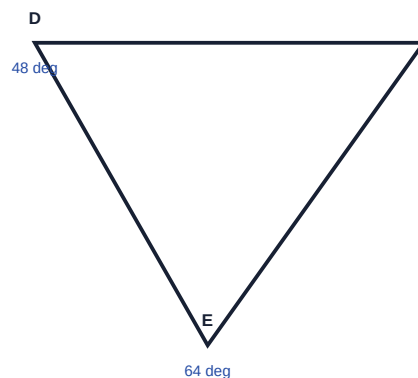
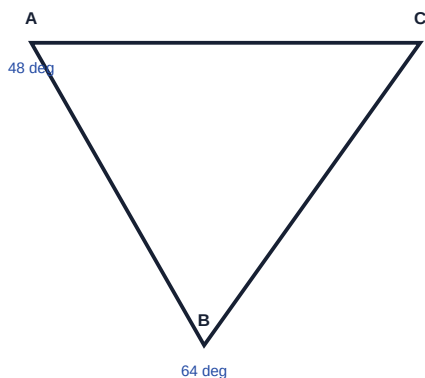
Similar? _____ Justification and correspondence: _____

Similar Triangles

Worked Answer Key

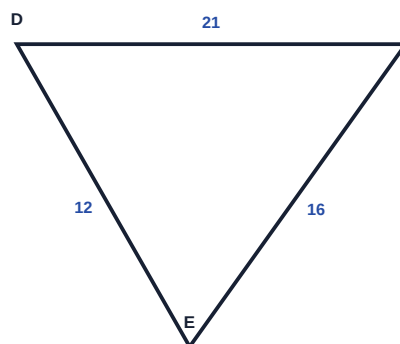
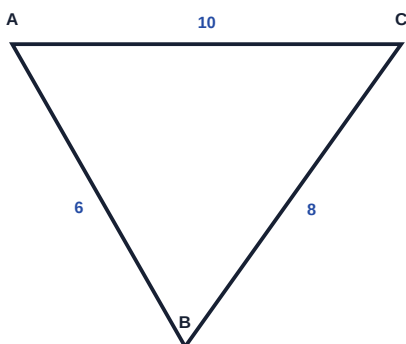
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

1. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar by AA. triangle ABC ~ triangle DEF. AA proves similarity with ABC corresponding to DEF.

2. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



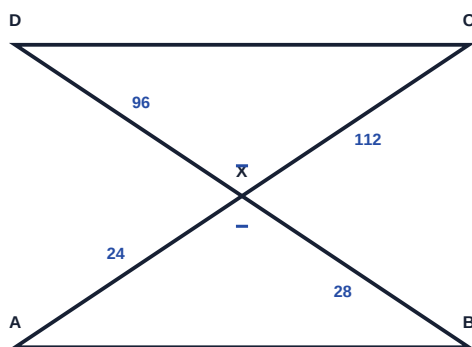
Not similar by SSS. The supplied SSS measurements contain unequal corresponding data, so the triangles are not similar.

Similar Triangles

Worked Answer Key

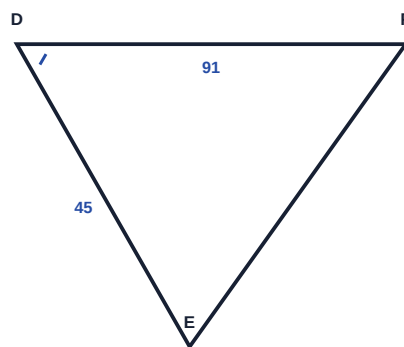
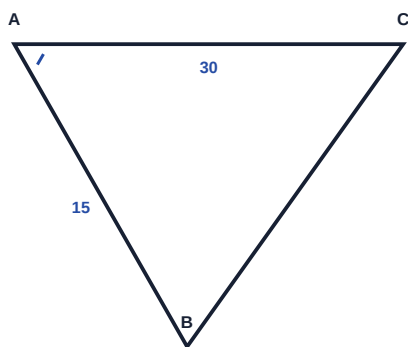
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

3. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar by SAS. triangle AXB ~ triangle DXC. SAS proves similarity with AXB corresponding to DXC.

4. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



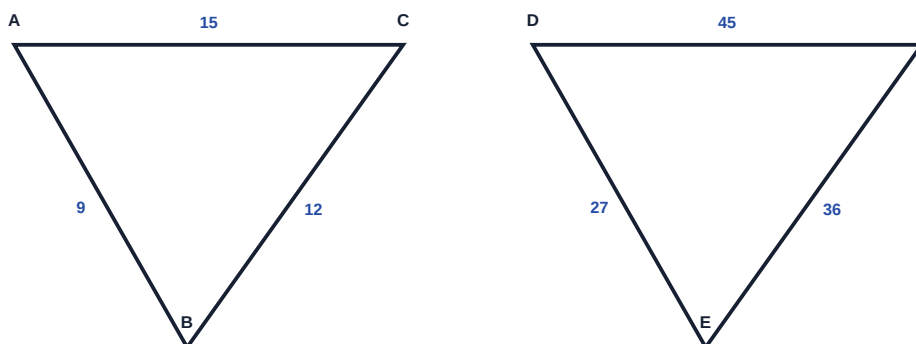
Not similar by SAS. The supplied SAS measurements contain unequal corresponding data, so the triangles are not similar.

Similar Triangles

Worked Answer Key

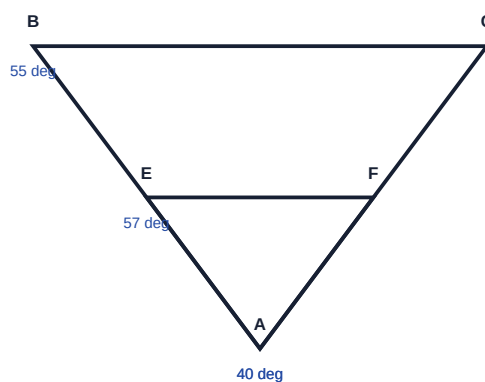
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

5. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar by SSS. triangle ABC ~ triangle DEF. SSS proves similarity with ABC corresponding to DEF.

6. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



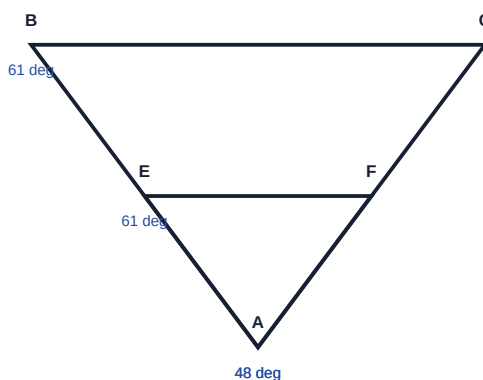
Not similar by AA. The supplied AA measurements contain unequal corresponding data, so the triangles are not similar.

Similar Triangles

Worked Answer Key

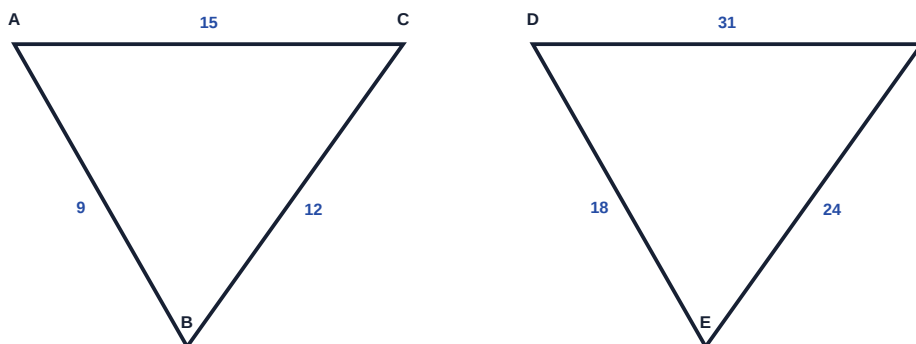
Determine whether each pair is similar, justify the result from the shown givens, and write the vertex correspondence when similar.

7. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Similar by AA. triangle ABC ~ triangle AEF. AA proves similarity with ABC corresponding to AEF.

8. Are the triangles similar? Justify from the shown givens. If yes, write a similarity statement in corresponding order.



Not similar by SSS. The supplied SSS measurements contain unequal corresponding data, so the triangles are not similar.