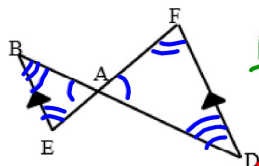


$AA \sim, SSS \sim, SAS \sim$

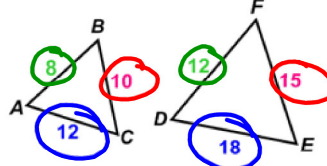
Determine if each of the following sets of triangles are similar. If so, state which similarity conjecture is used to prove the triangle similar and write a similarity statement.

1.



$$\frac{12}{8} = \frac{3}{2}$$

$$\frac{15}{10} = \frac{3}{2}$$



$$\frac{18}{12} = \frac{3}{2}$$

Similar Triangles? Yes or No

Similarity Conjecture:  $AA \sim$

Similarity Statement:

$$\triangle AEB \sim \triangle AFD$$

Similar Triangles? Yes or No

Similarity Conjecture:  $SSS \sim$

Similarity Statement:

$$\triangle ABC \sim \triangle DFE$$

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