

Similar and Congruent Figures

Object and its image in the mirror are congruent shapes.

Trick mirrors can make the object appear out of proportion. Look at the image of each object in the mirror below.

The object and the image are similar.
They have the same shape.

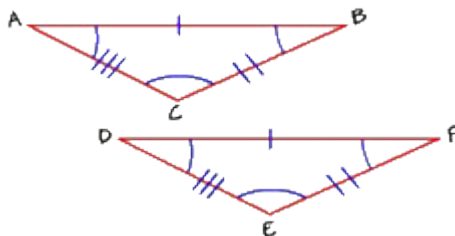
The object and the image are not similar.
They have the same height but different width.

The object and the image are not similar.
They have the same width but different height.

Examples:

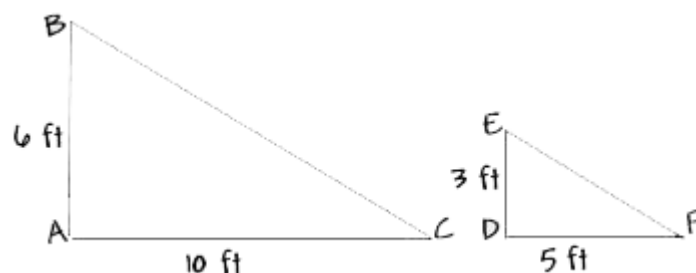
A- Write whether the figures are similar or congruent. Explain.

1) ABC and DEF



ABC and DEF are congruent because they have the same size and shape. Their corresponding angles and sides are equal.

2) ABC and DEF



ABC and DEF are similar because they have the same shape, but the size of their corresponding sides is different.