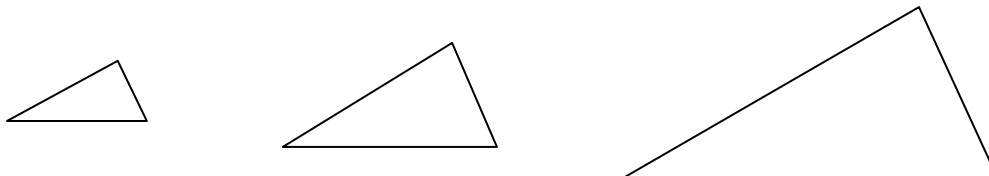


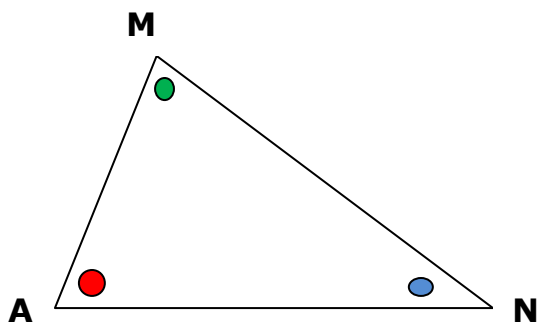
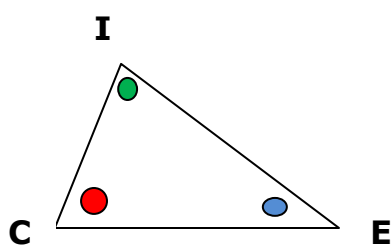
C3 - Similar Figures - Triangles

Investigate: Look at the three triangles below. What do you notice about their shape, their angles, and their side lengths?



Definitions:

- Corresponding Angles and Corresponding Sides: _____

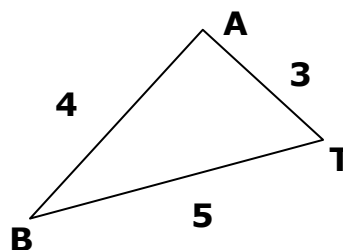
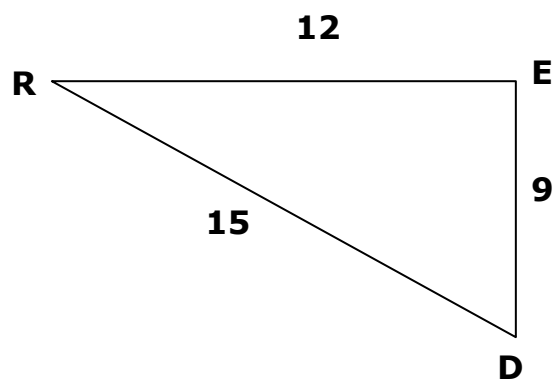


Corresponding Angles	Corresponding Sides

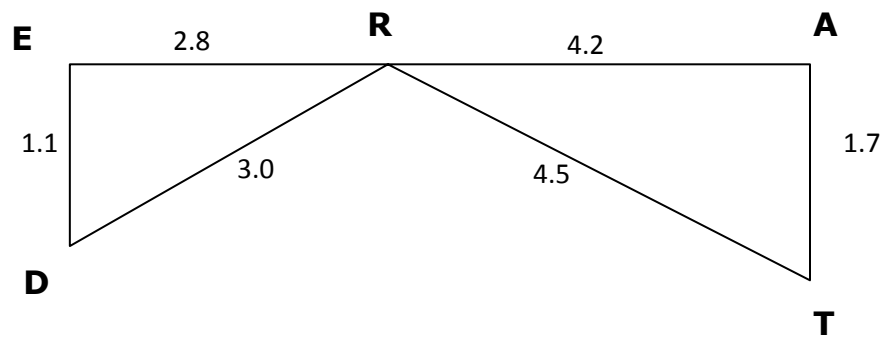
- Similar (figures): _____

When you're trying to determine whether or not two triangles are similar, you need to confirm either all three angles, or all three side-ratios.

Example #1: Determine if $\triangle RED$ is similar to $\triangle BAT$.



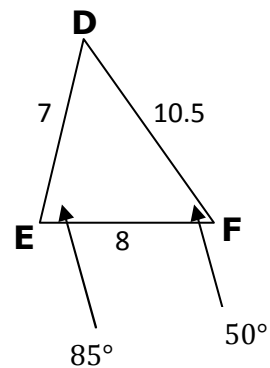
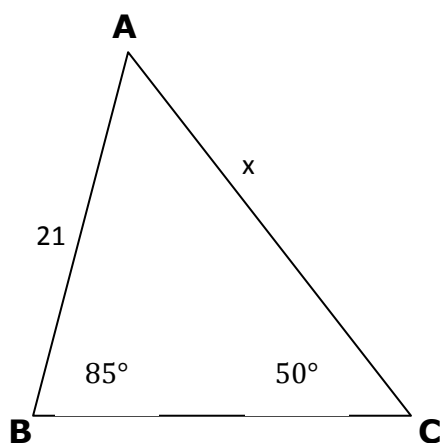
Example #2: Determine if $\triangle RED$ is similar to $\triangle RAT$.



Example #3: Use similar triangles to determine a missing side length.

Jeff is drawing triangles for a math puzzle. Use your knowledge of similar triangles to determine:

- a) If the triangles are similar
- b) The missing side length



Example #4: Find the missing side length.

