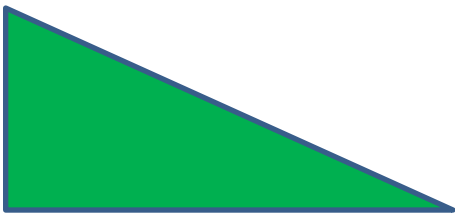
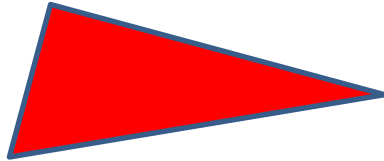
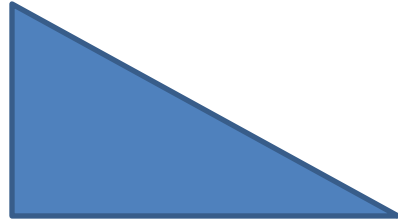
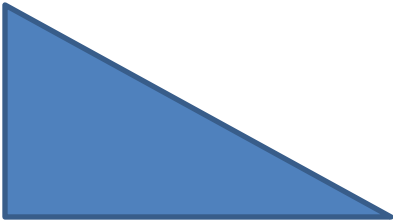
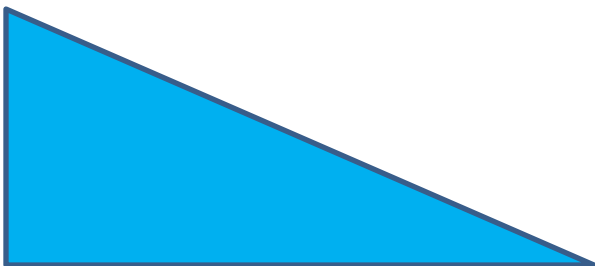
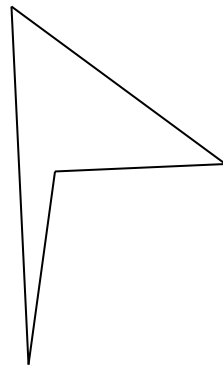
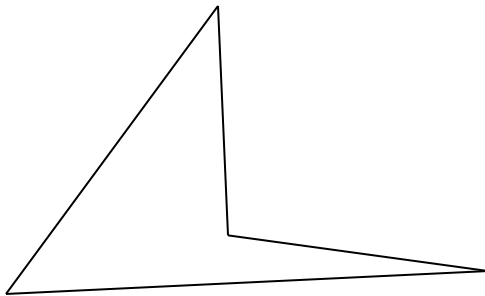
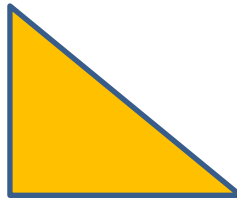
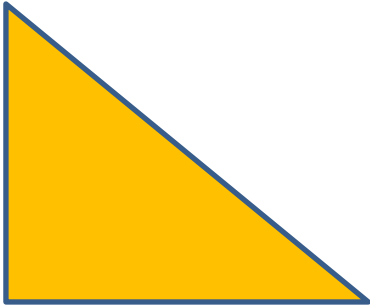


Congruent

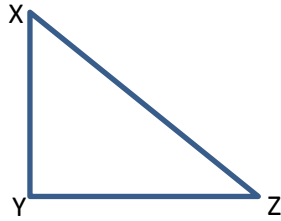
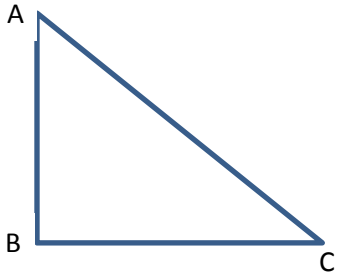


Similar



Corresponding

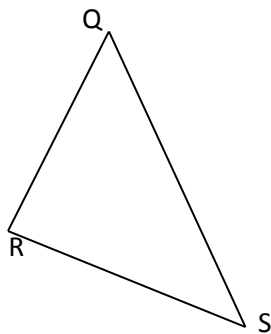
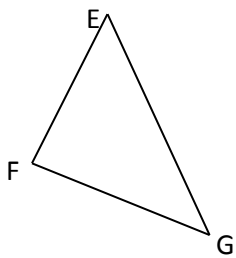
$\triangle ABC$ is similar to $\triangle XYZ$



Angles:

Sides:

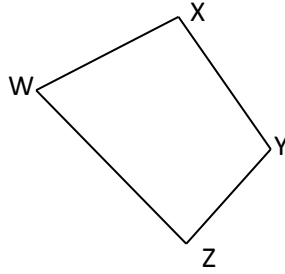
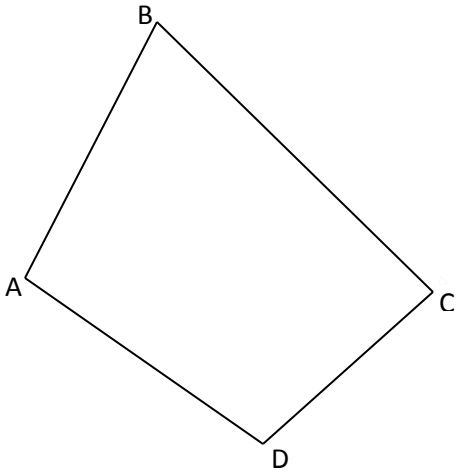
$\triangle EFG$ is similar to $\triangle QRS$



Angles:

Sides:

Similar?



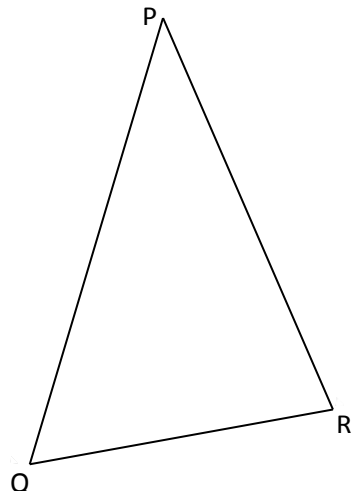
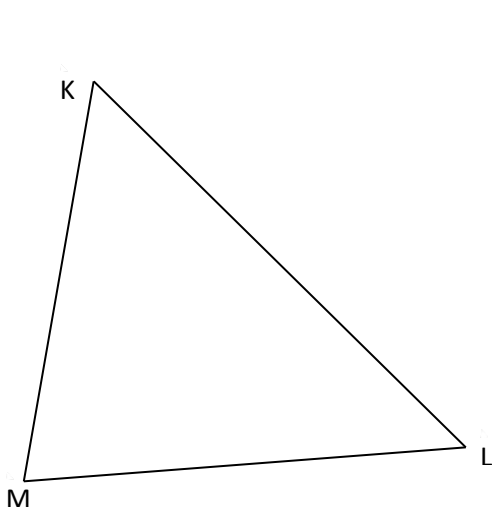
Trace

Check Angle Measurements

Take a Photo and Import it

Record Yourself Explaining the Process

Similar?



Trace

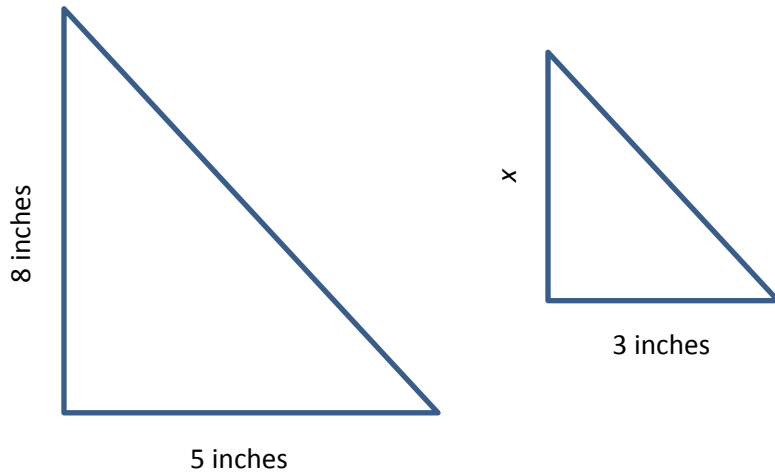
Check Angle Measurements

Take a Photo and Import it

Record Yourself Explaining the Process

Missing Side Lengths

These triangles are similar. Find the missing side length.



Trace

Take a Photo and Import it

Record Yourself Explaining the Process

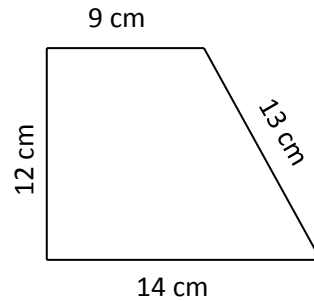
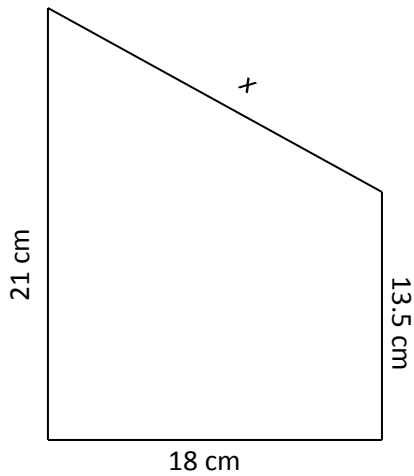
Set up a Proportion

Solve

State your Answer

Missing Side Lengths

These triangles are similar. Find the missing side length.



Trace

Take a Photo and Import it

Record Yourself Explaining the Process

Set up a Proportion

Solve

State your Answer

Real Life Example

A child is standing next to a 6 foot tall post. The post casts a 9 foot shadow. The child casts a 6 foot long shadow. How tall is the child?

Draw a Picture:

Explain why the triangles are similar:

Set up a proportion and solve to find the height of the child:

Real Life Example

If a flagpole casts a 20.4 foot long shadow and a 5.1 foot tall woman casts a 10 foot shadow then how tall is the flagpole?

Draw a Picture:

Set up a proportion and solve to find the height of the child:

Real Life Examples

Find 2 examples of congruent objects around your house or neighborhood.

Take a photo of each.

Import both photos onto this page.

Real Life Examples

Find 2 examples of similar objects around your house or neighborhood.

Take a photo of each.

Import both photos onto this page.