

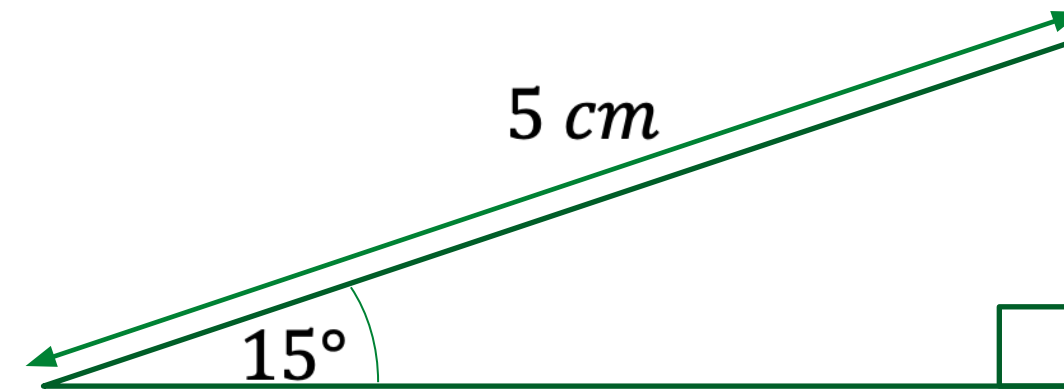
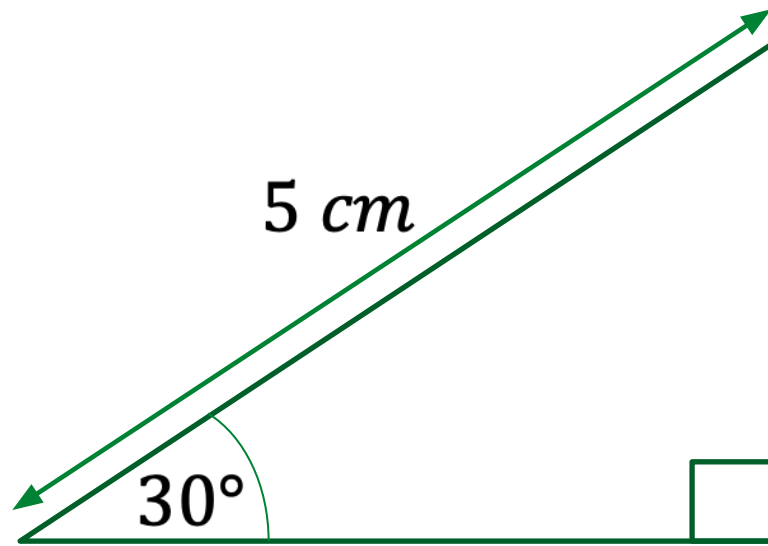
Mathematics

The sine ratio

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Try this

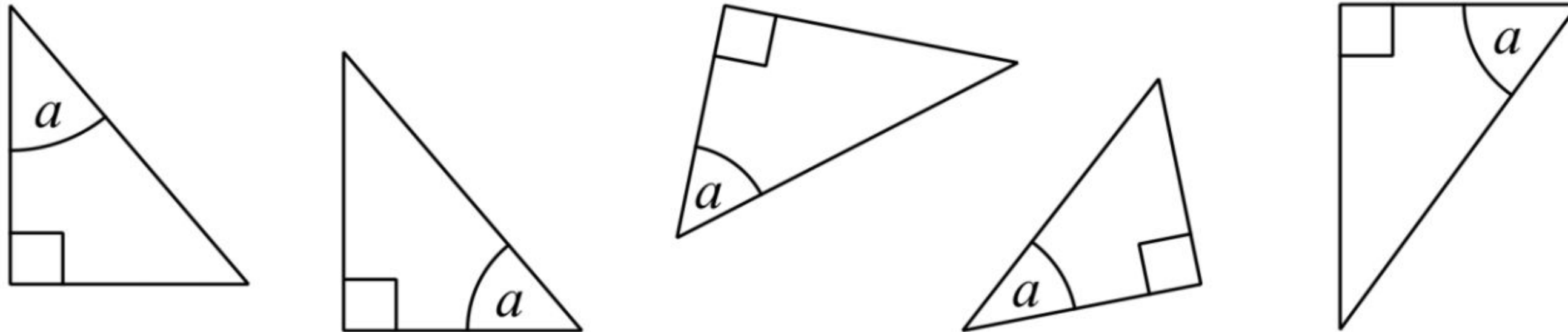


What's the same and what is different about the two triangles?
Construct the two triangles. Measure the missing side lengths

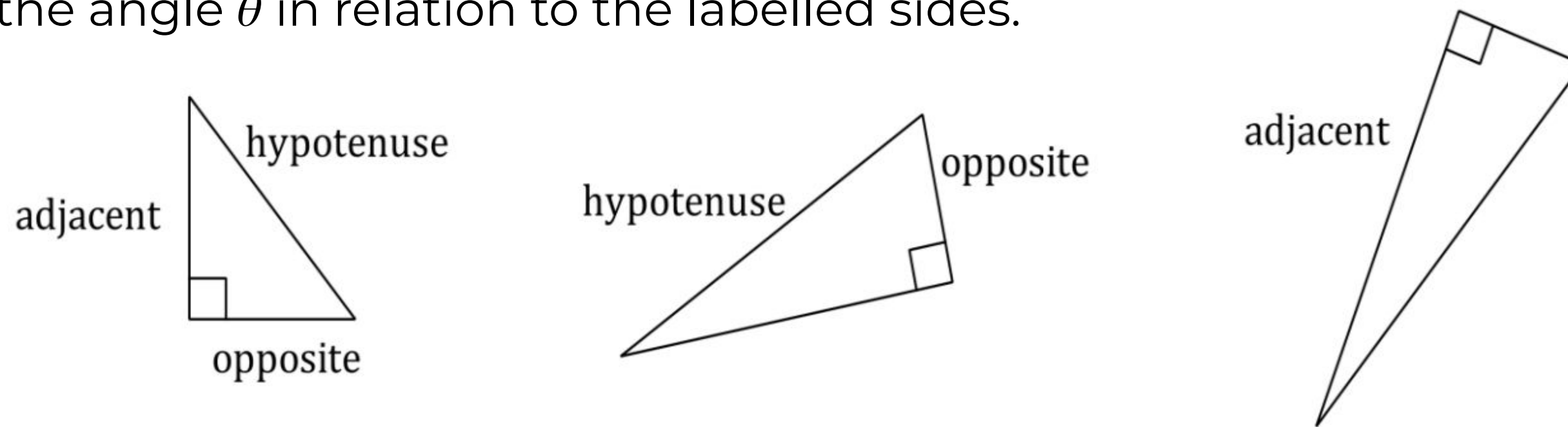


Independent task

1) Label the opposite, adjacent and hypotenuse in relation to the marked angle a .



2) Mark the angle θ in relation to the labelled sides.



Explore

Construct right-angled triangles with the angles shown in the table below. Fill in the table by finding the ratio (opposite ÷ hypotenuse) ratios for the given angles.

What do you notice?

Angle				
Length of opposite				
Length of hypotenuse				

