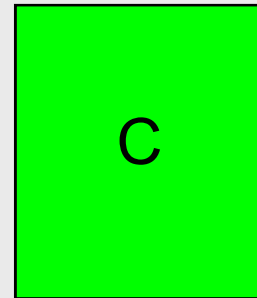
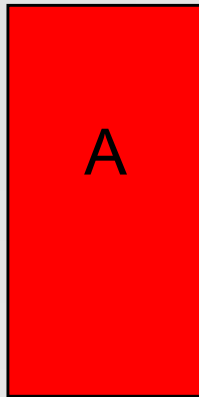
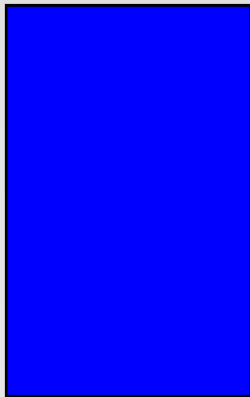


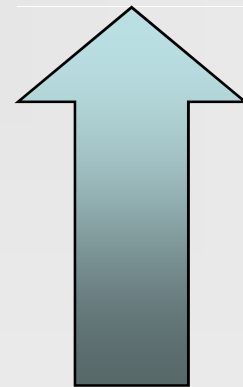
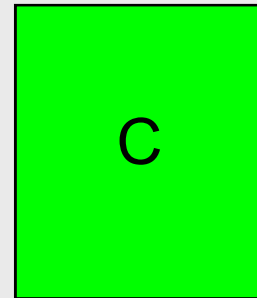
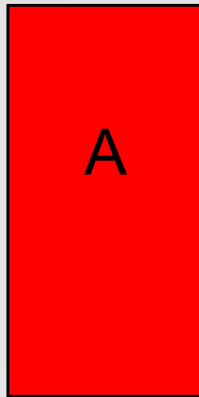
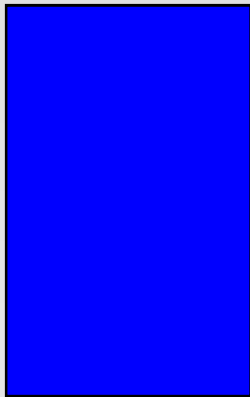
Similarity in Mathematics

Recognising similarity and
calculating lengths

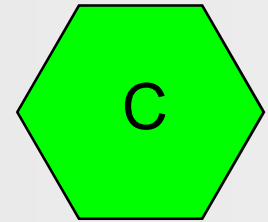
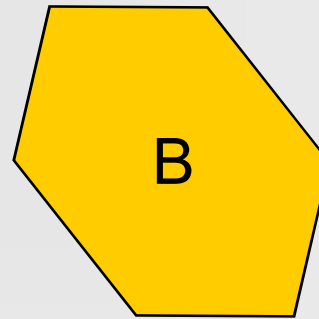
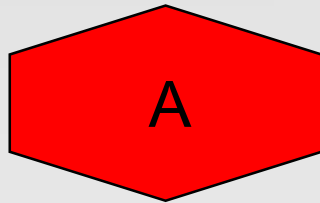
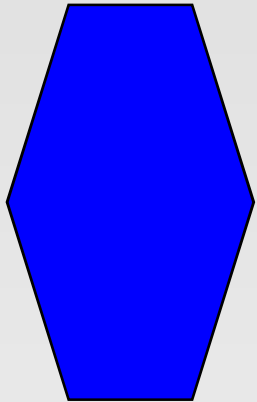
Which shape is similar to the blue shape?



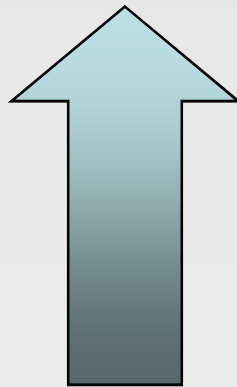
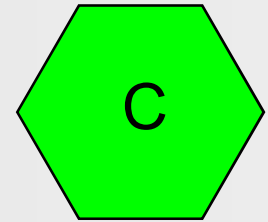
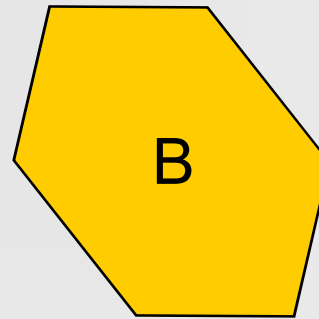
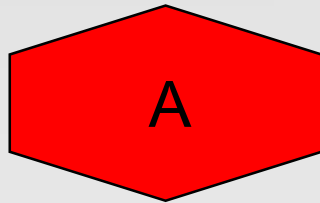
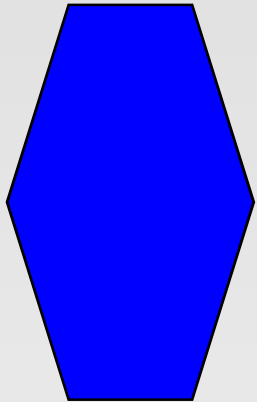
Which shape is similar to the blue shape?



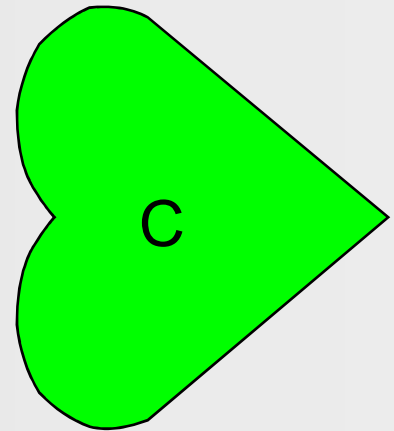
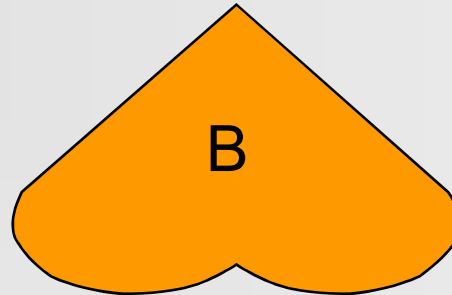
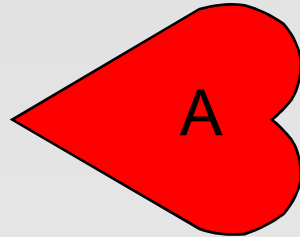
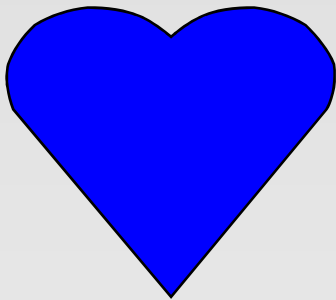
Which shape is similar to the blue shape?



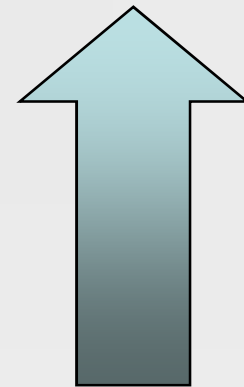
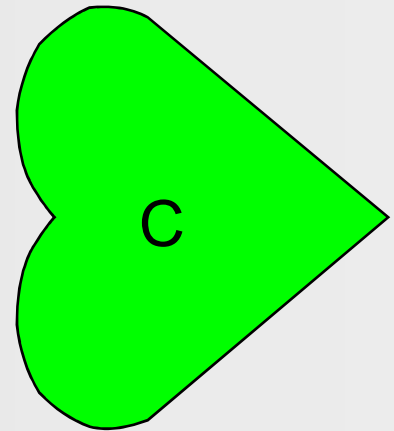
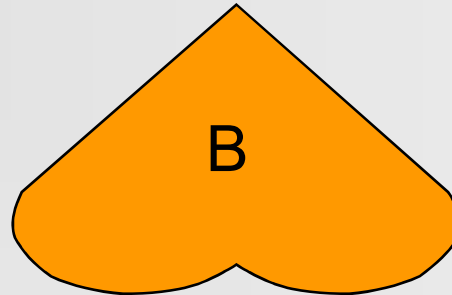
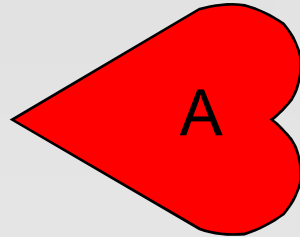
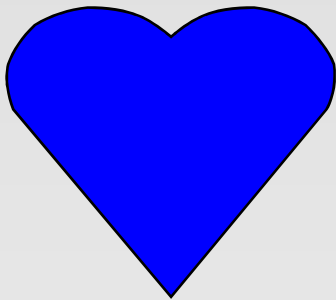
Which shape is similar to the blue shape?

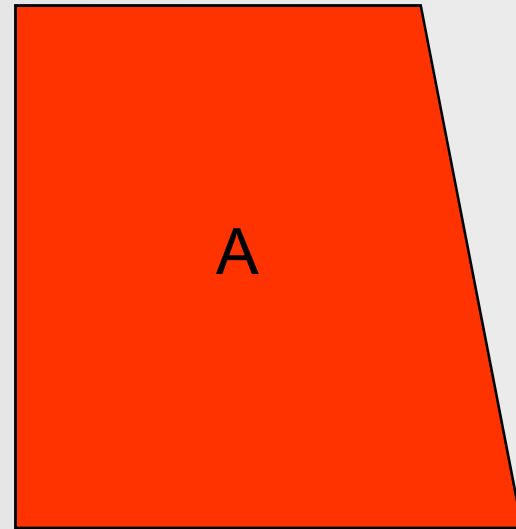
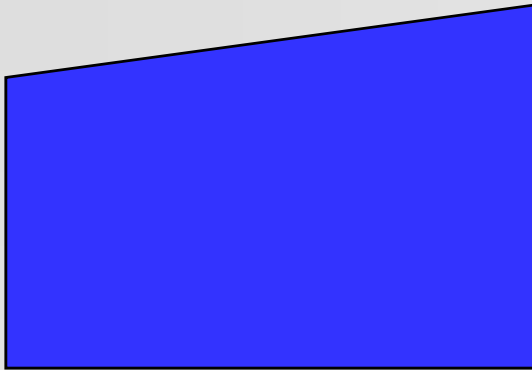


Which shape is similar to the blue shape?

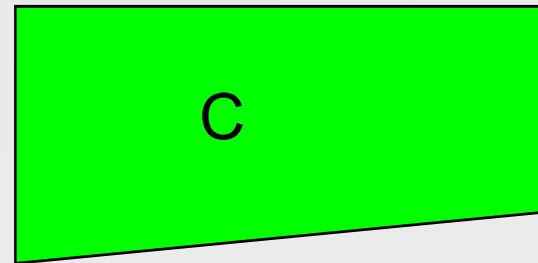
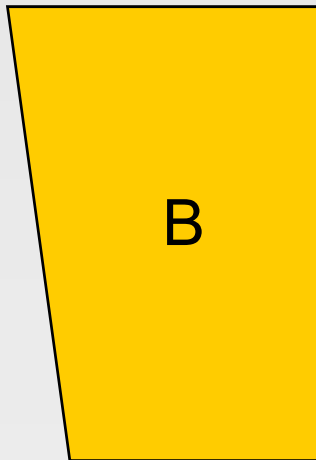


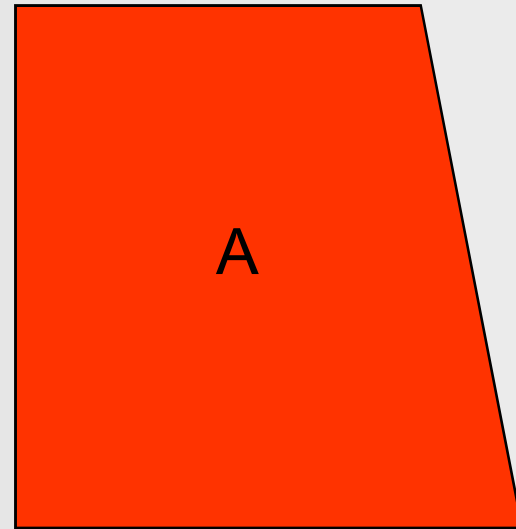
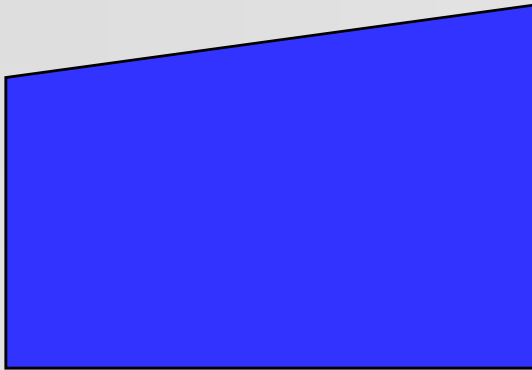
Which shape is similar to the blue shape?



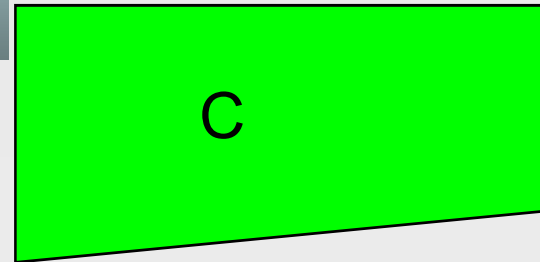
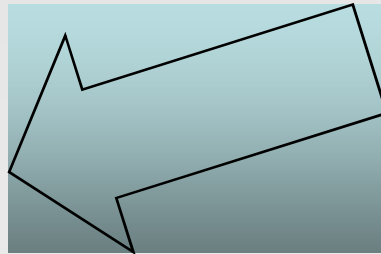
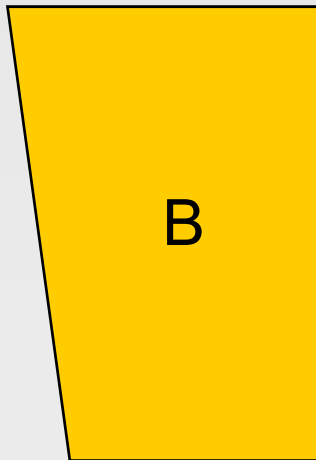


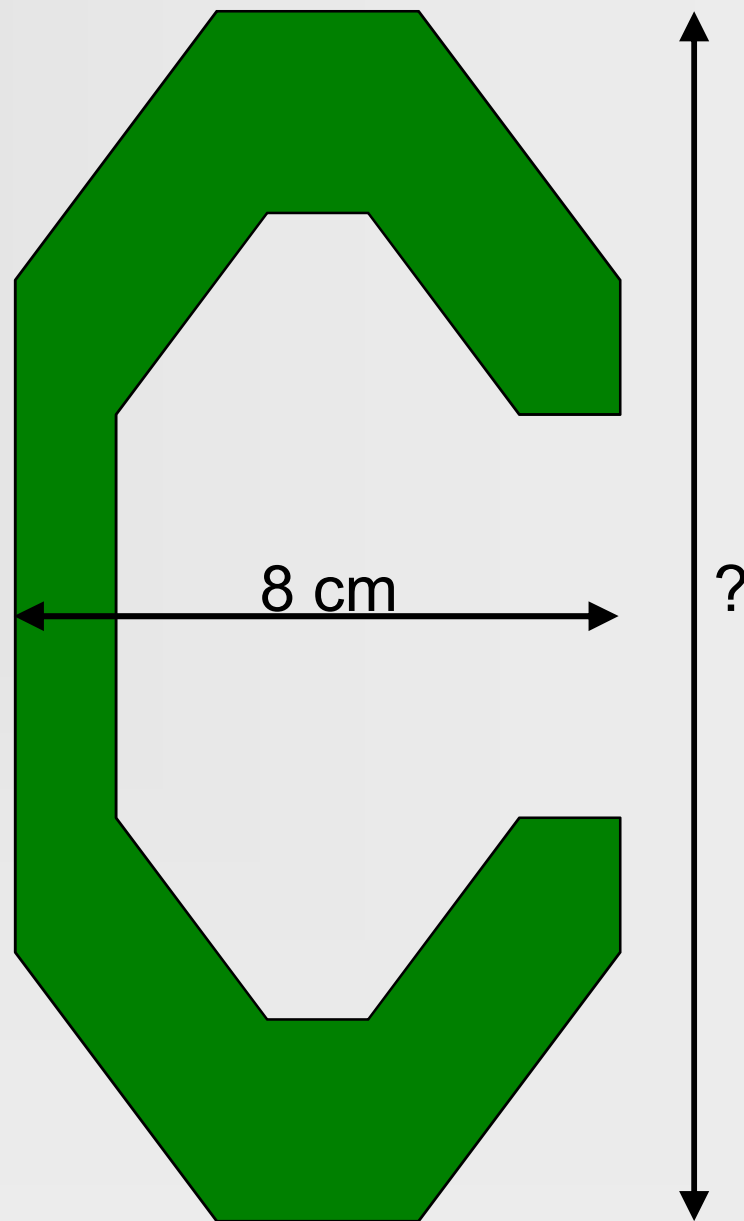
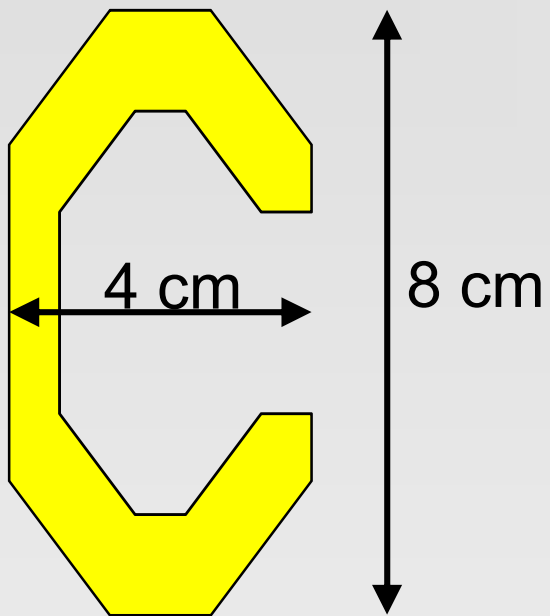
Which shape is similar to the blue shape?



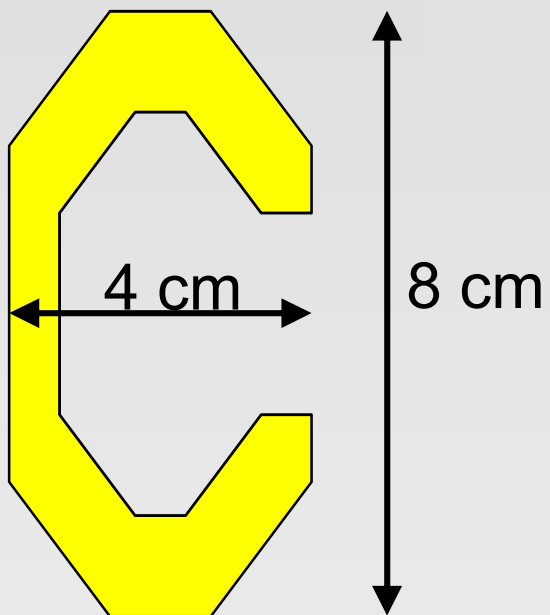


Which shape is similar to the blue shape?

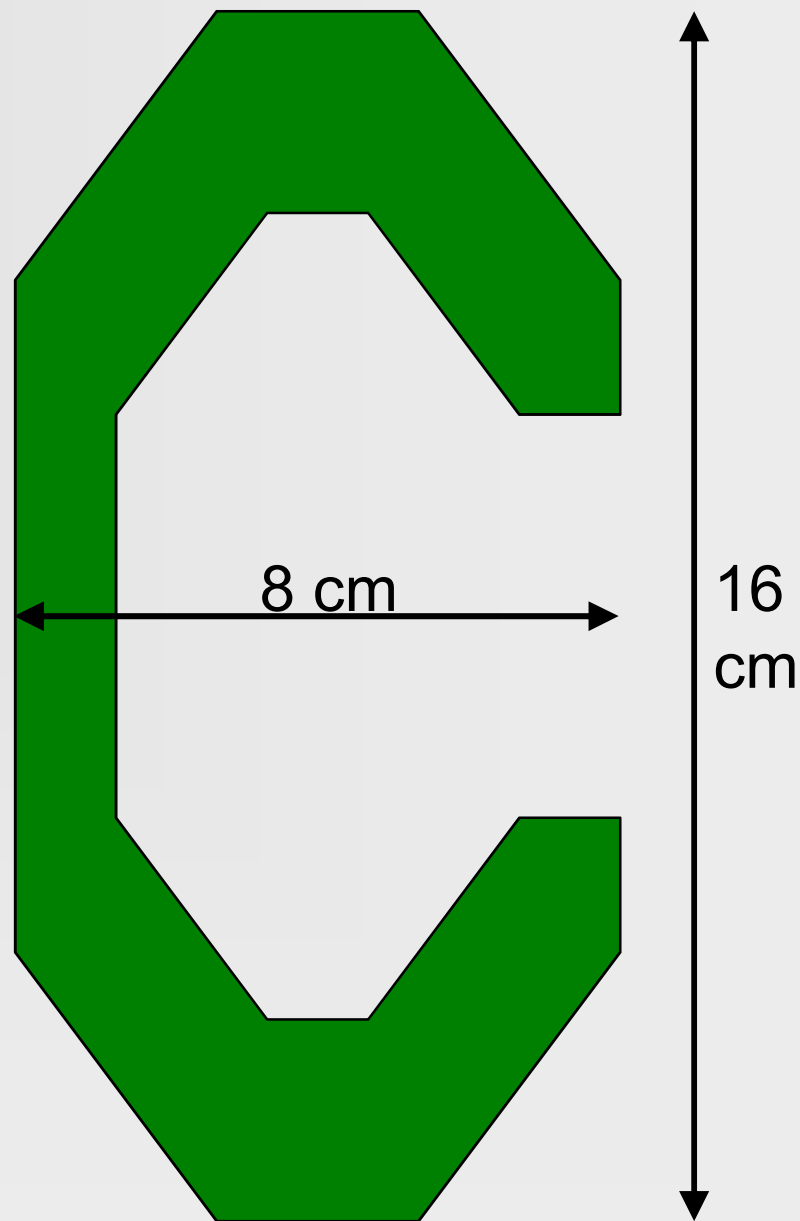


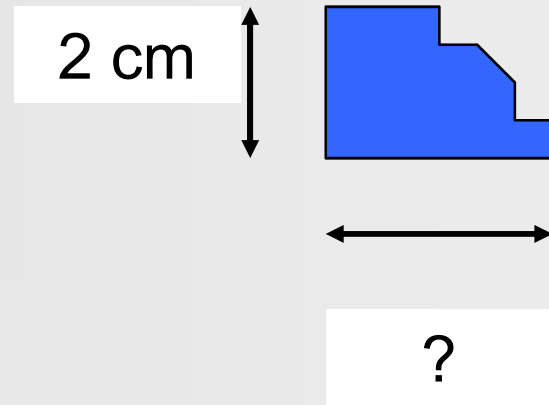
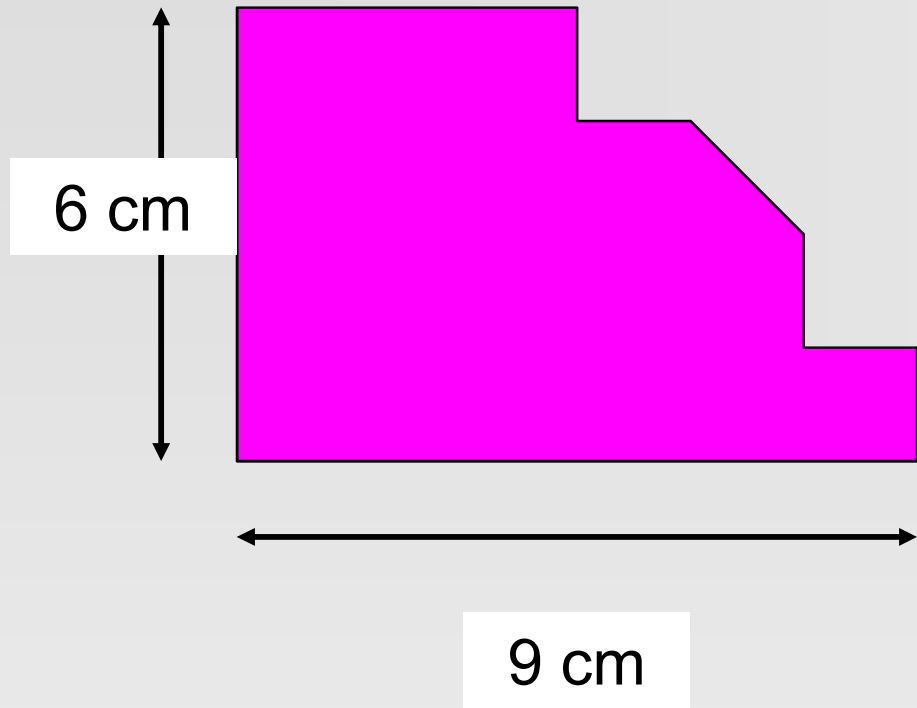


What is the height of the
green shape?

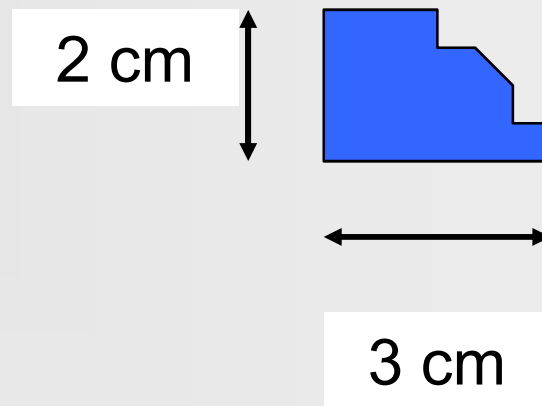
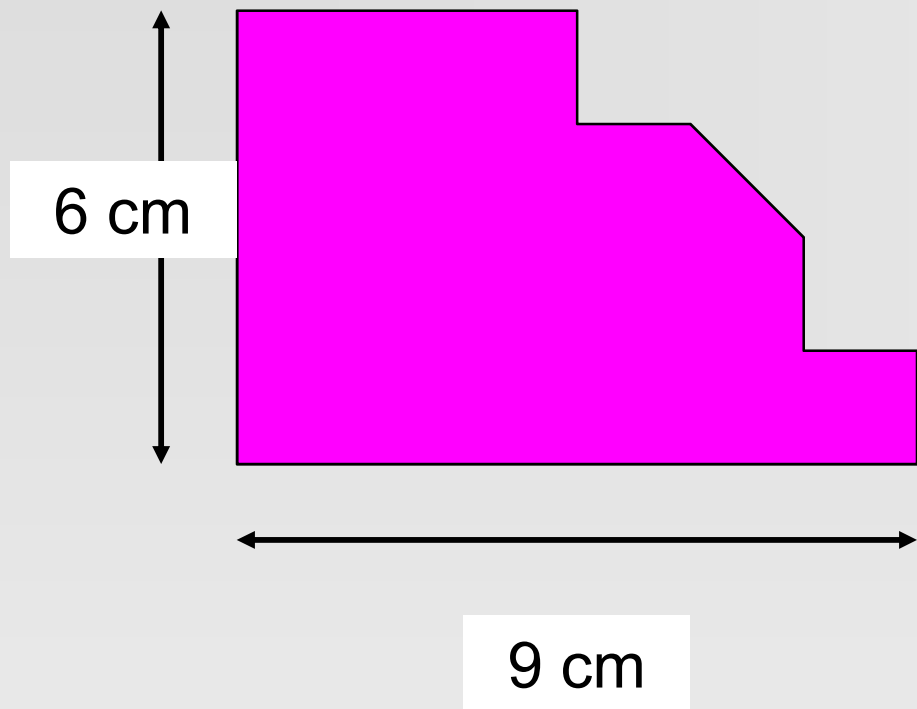


Scale factor = 2



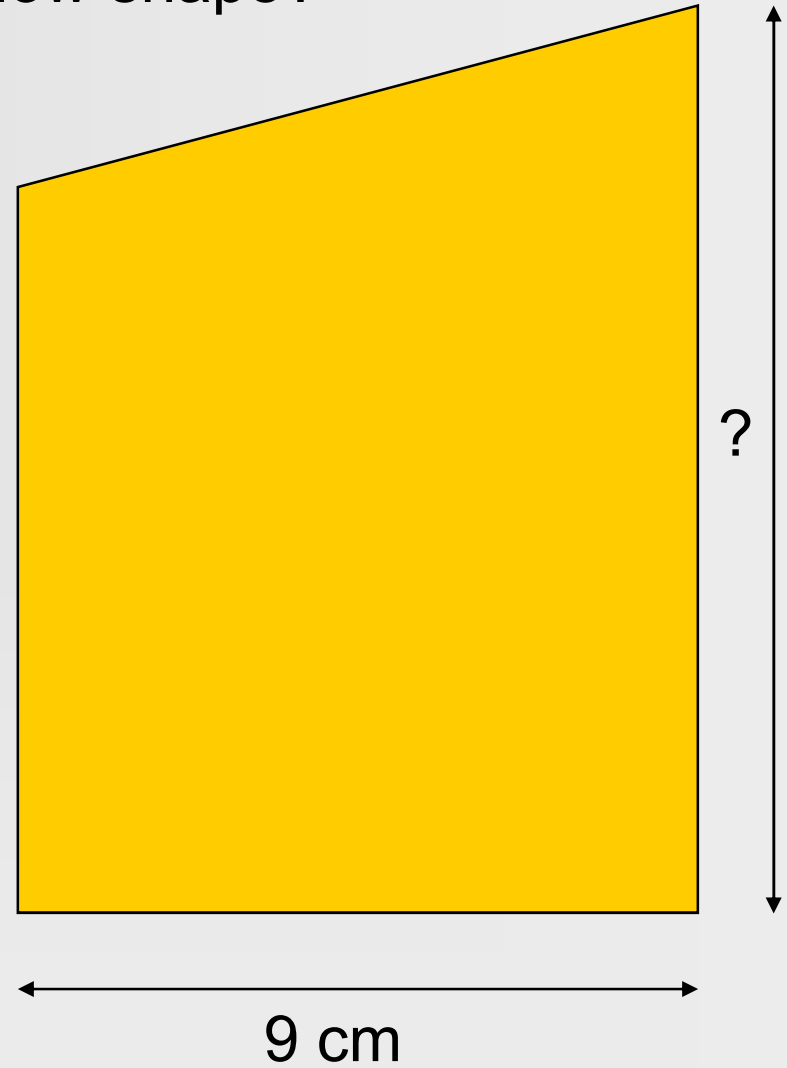
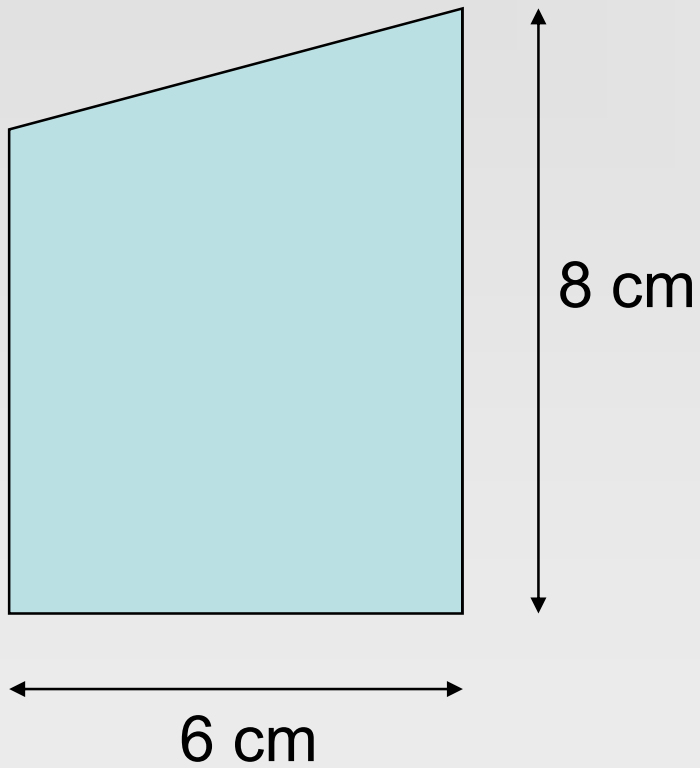


What is the width of the blue shape?

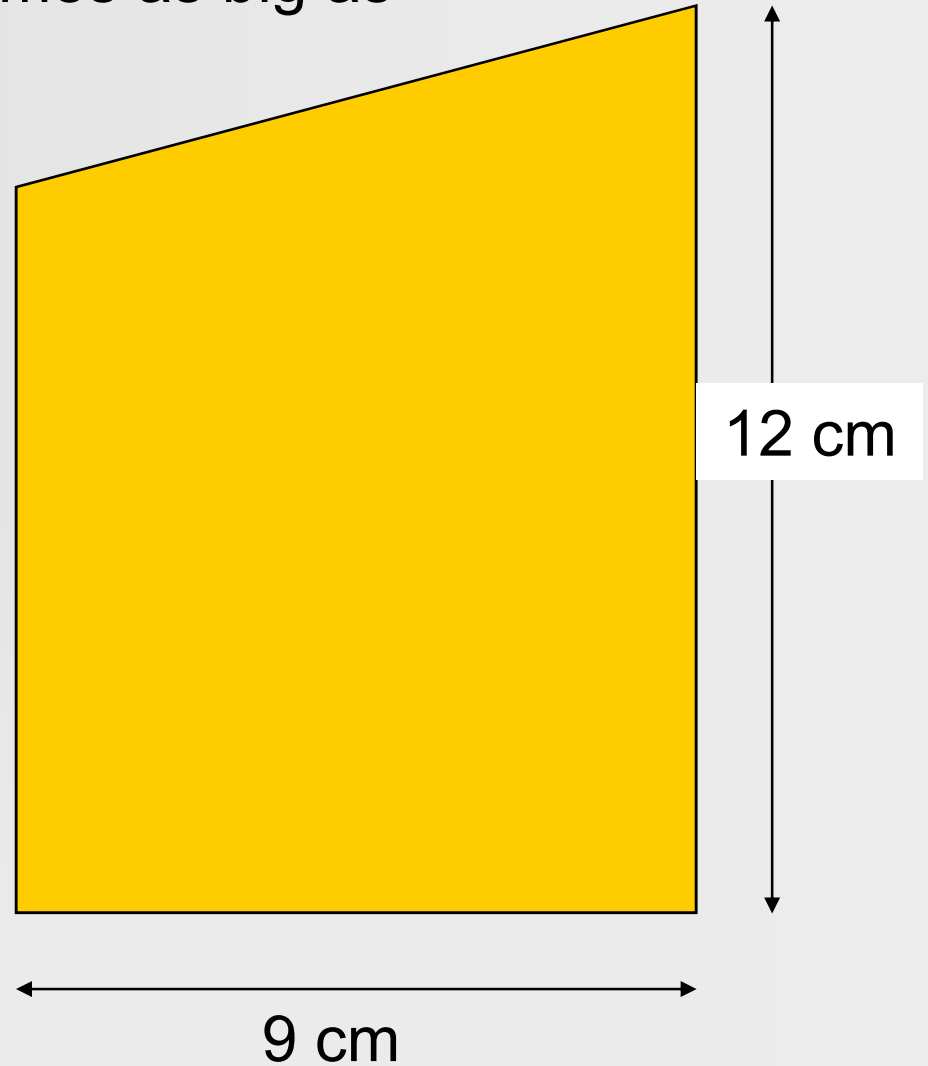
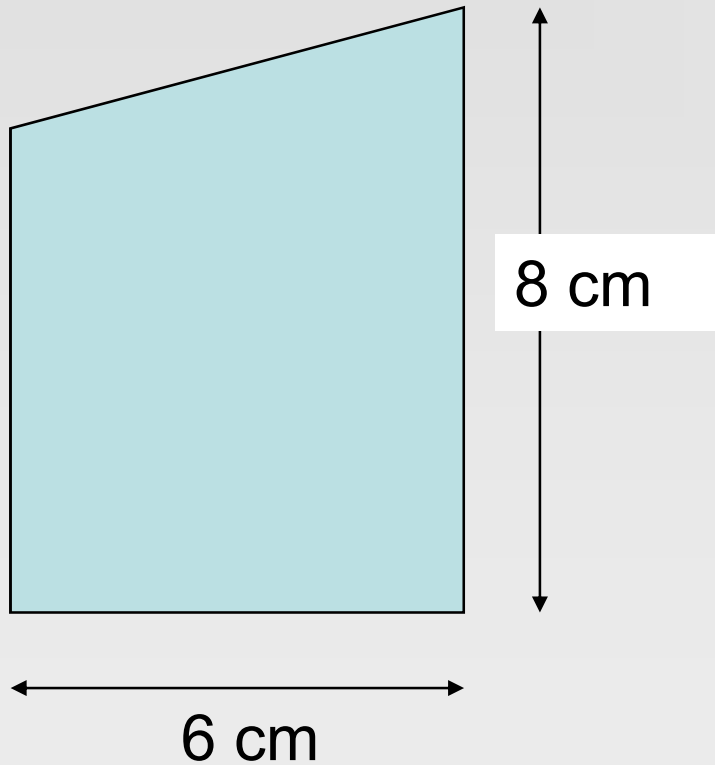


The scale factor is $\frac{1}{3}$

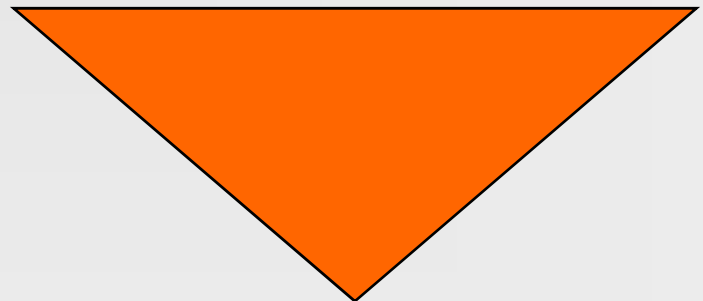
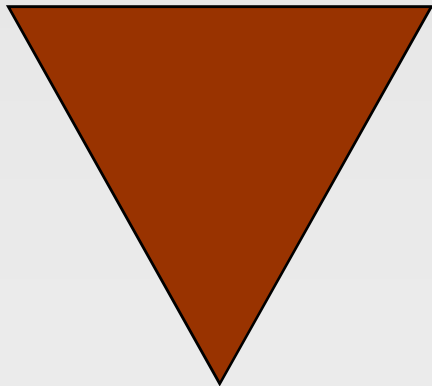
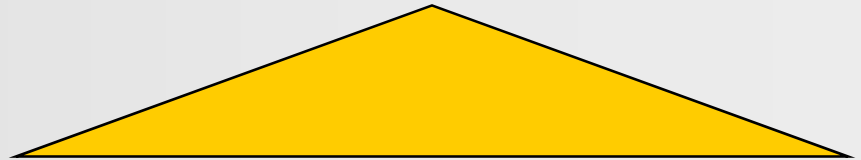
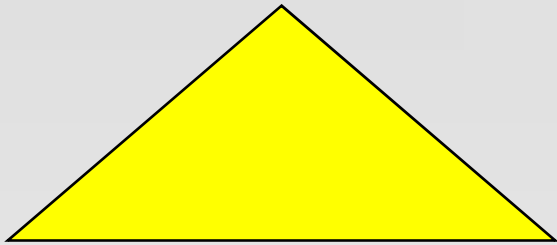
What is the height of the yellow shape?



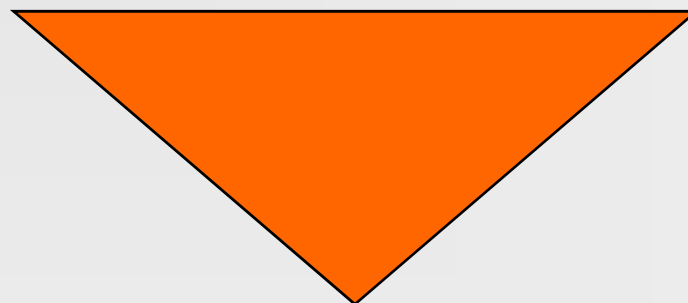
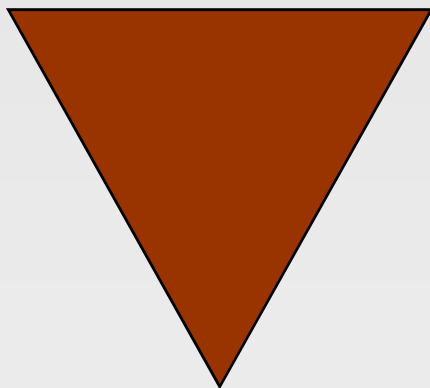
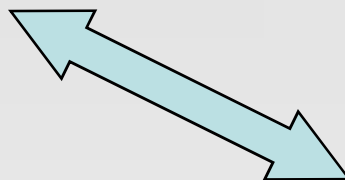
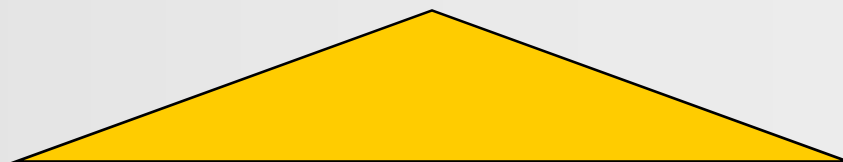
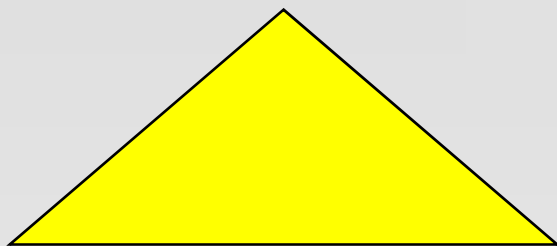
The yellow shape is 1.5 times as big as the blue shape.



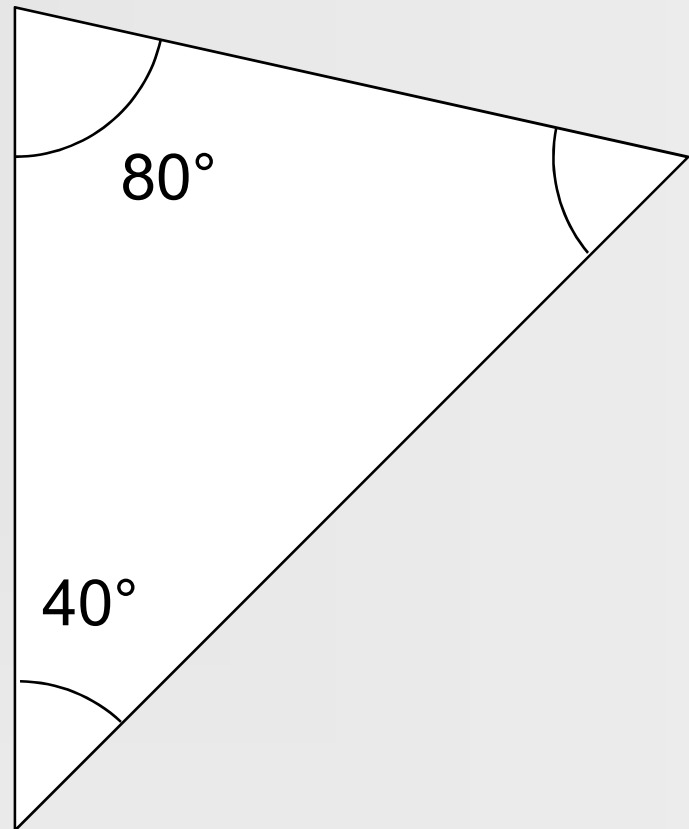
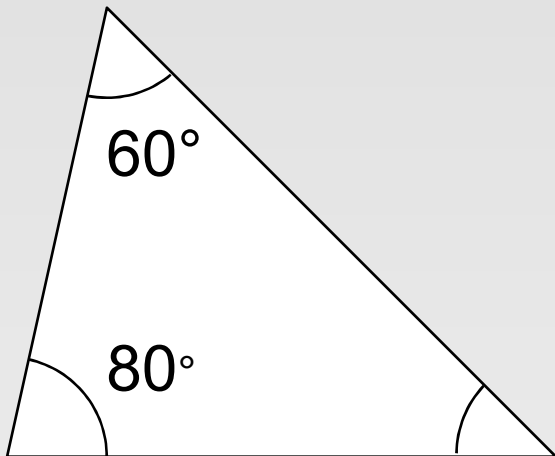
Which triangles are similar?



Which triangles are similar?

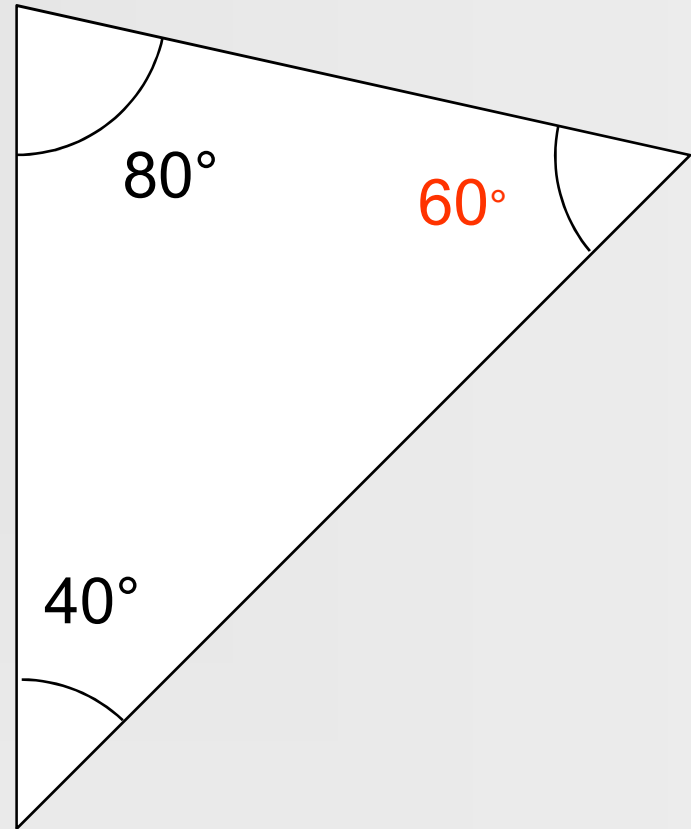
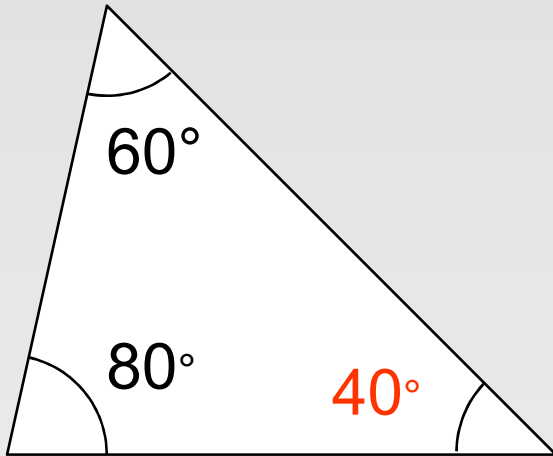


Are these triangles similar?

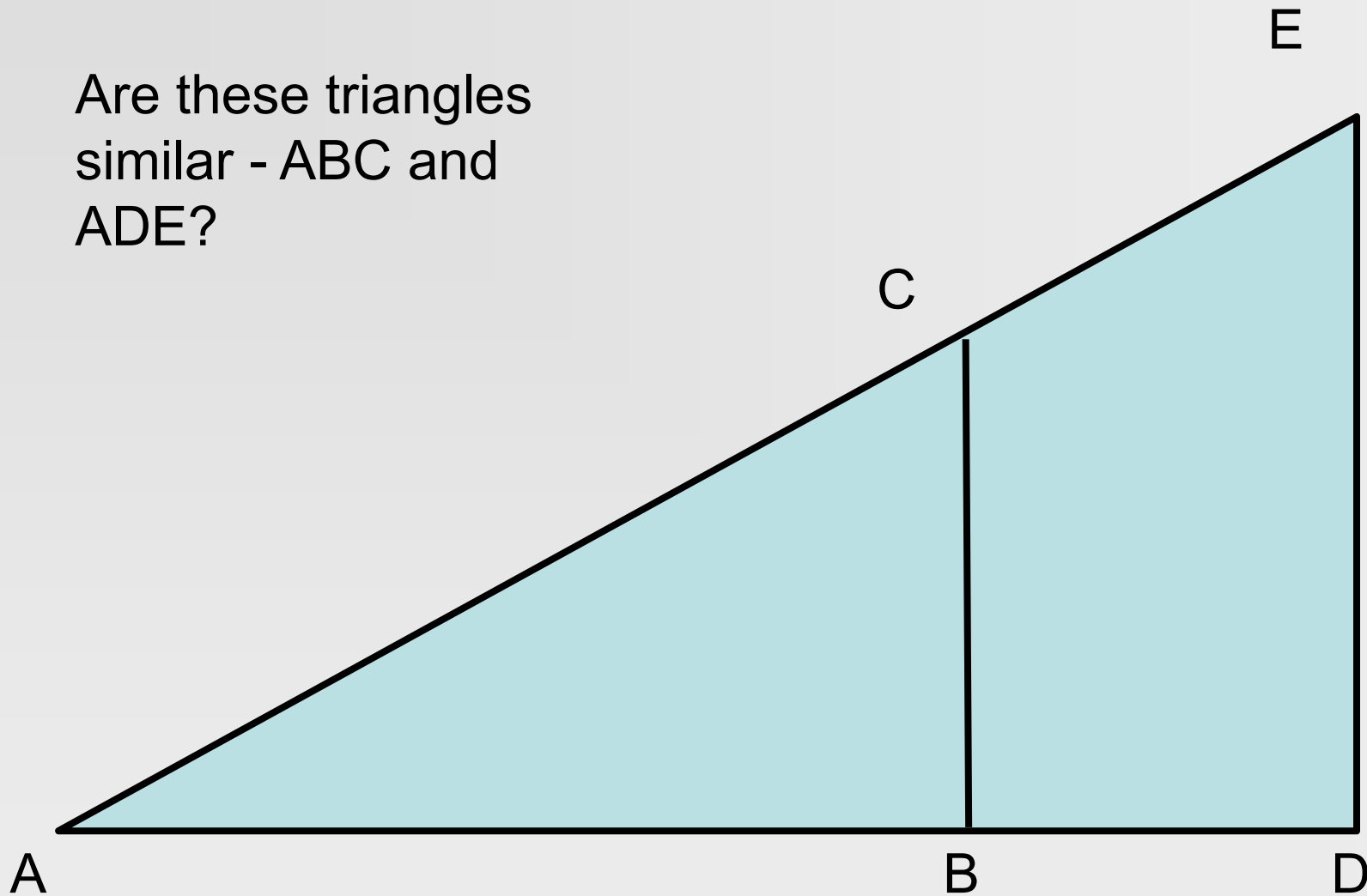


Are these triangles similar?

Yes, they each have the same angles

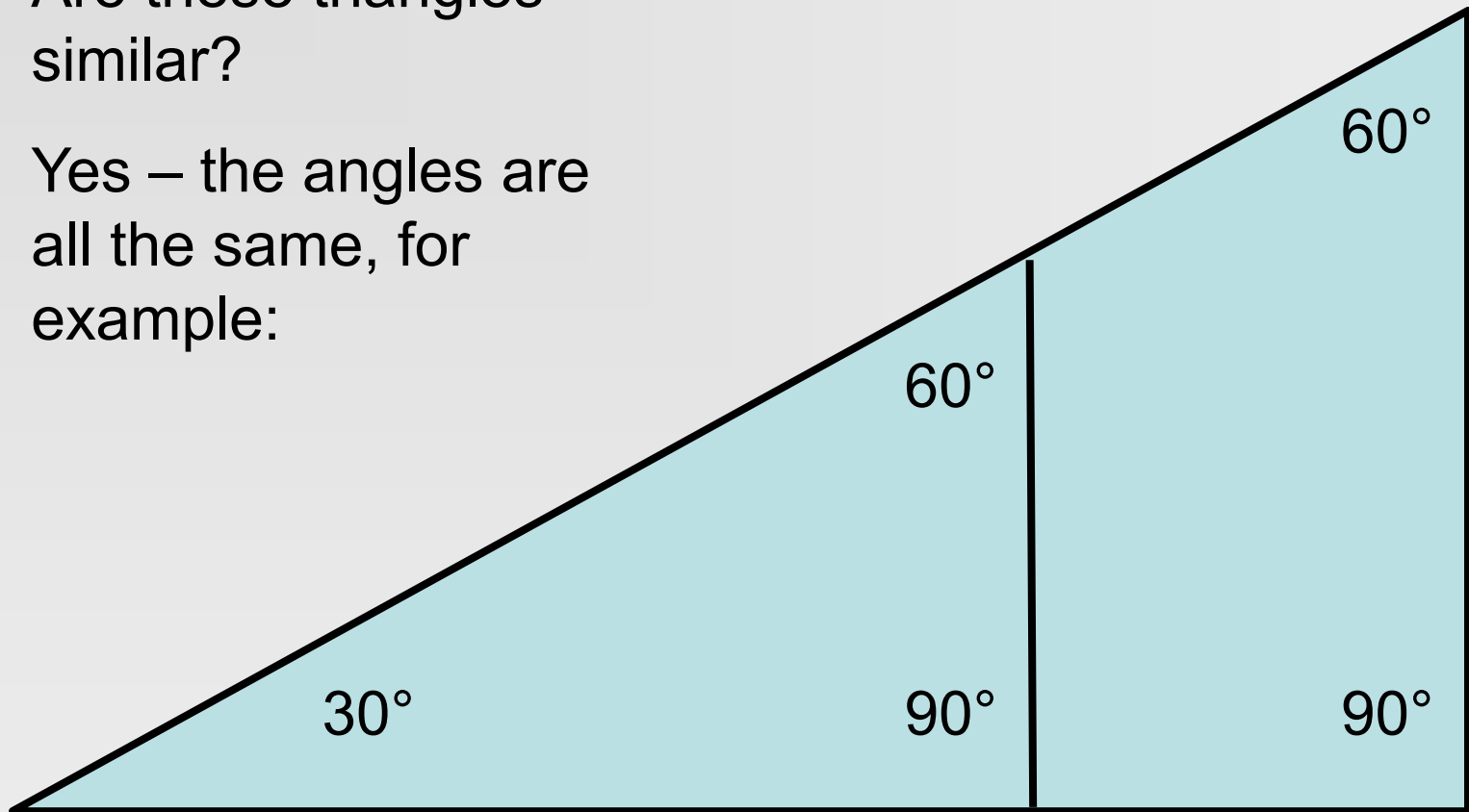


Are these triangles
similar - ABC and
ADE?



Are these triangles similar?

Yes – the angles are all the same, for example:



Another way to measure a tree

