Mathematics

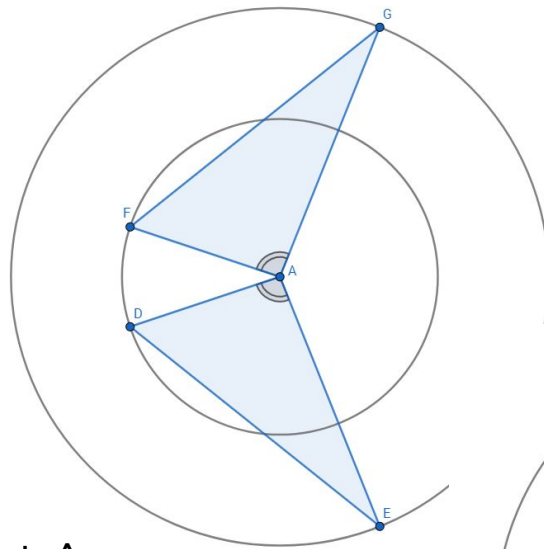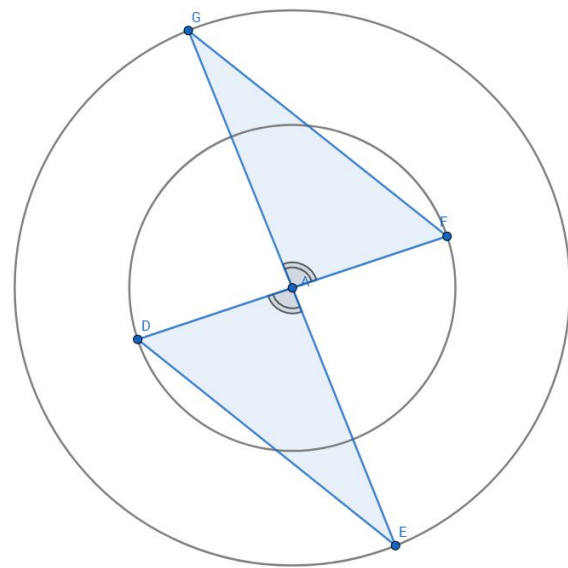# Congruence and triangles 1. Downloadable resource.

Miss Oreyomi

Try this

Same or different?

Congruent or not?

Any triangle with one vertex at A,
and one vertex on each circle, will be
congruent. Do you agree? Can you find
any examples or counterexamples?

Questions

1)   ABC and XYZ are congruent.

Not used - continue to question 2
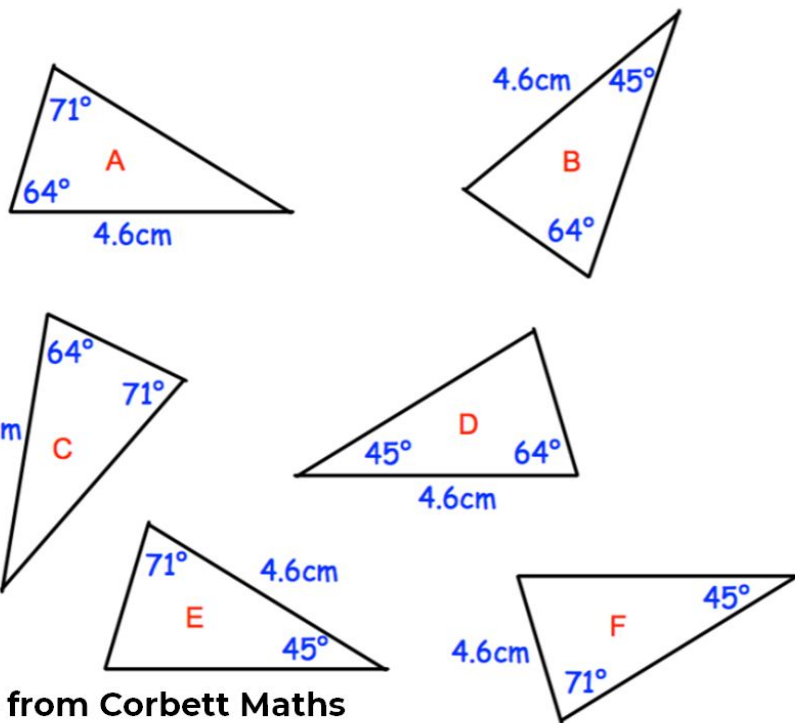
Questions

2)

Image from Corbett Maths

Shown are six triangles that are not drawn accurately.

a) Which two triangles are congruent to A?

Questions

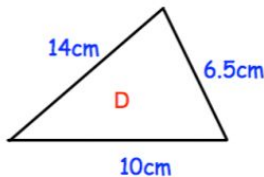3) For each pair below, state the condition and why they are congruent.
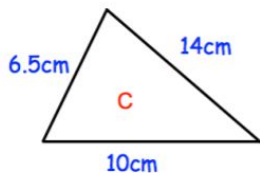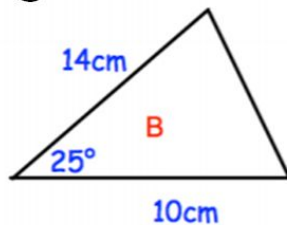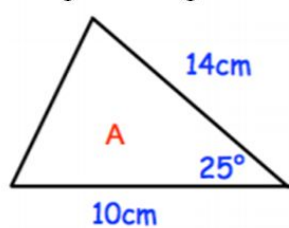

Image from Corbett Maths

Questions

4) Mary and Beth each draw a triangle with one side 9cm, one angle of 35° and one angle of 65°.

Mary says their triangles are congruent.

Explain why Mary is incorrect.