

Identify congruent shapes

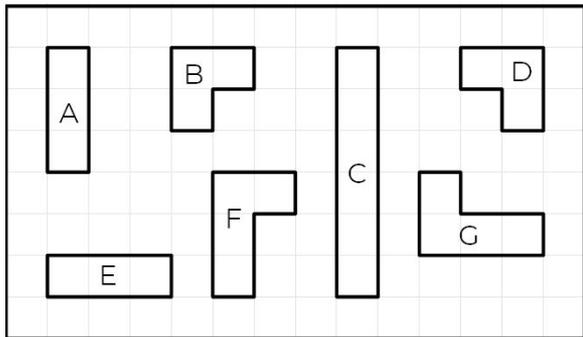
Maths

Mr Chan



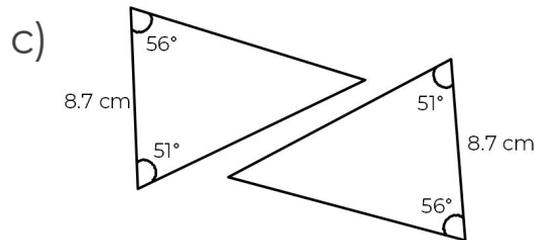
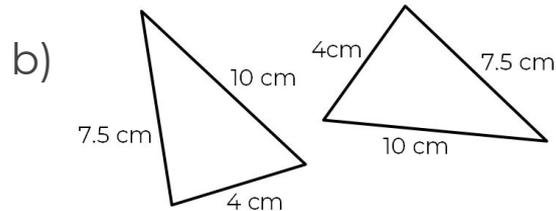
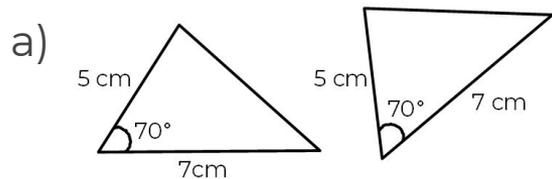
Identify congruent shapes

1. Here are seven shapes drawn on a grid.



Write down the letters of any pairs of congruent shapes.

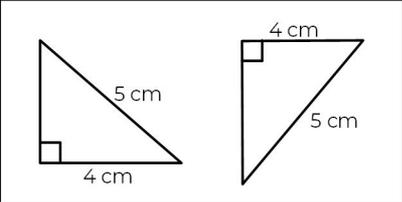
2. Each pair of triangles are congruent. Explain why.

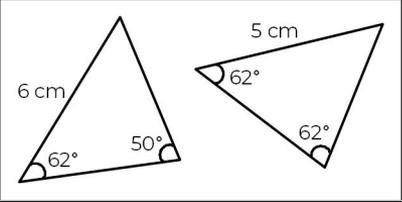


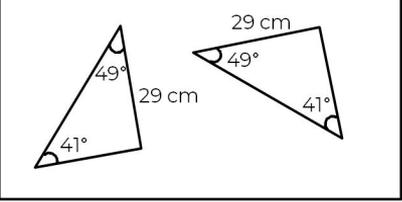
Identify congruent shapes

3. Are each pair of triangles congruent?

Explain your answer.

a) 

b) 

c) 

4. Decide whether each statement is always, sometimes or never true.

a) When a triangle is rotated about a point the object and image are congruent.

b) When a triangle is reflected in a line the object and image are congruent.

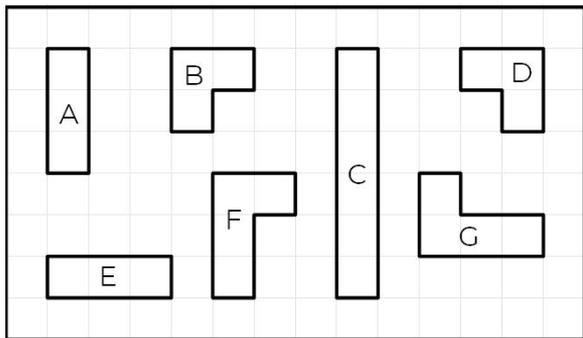


Answers



Identify congruent shapes

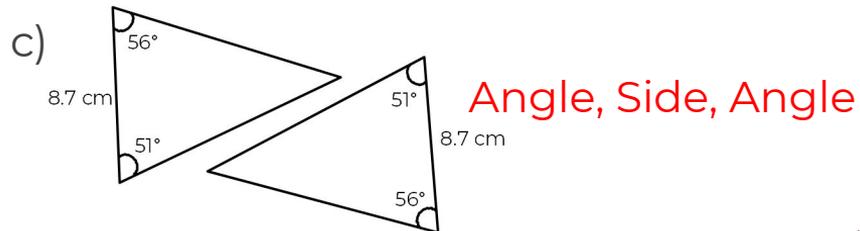
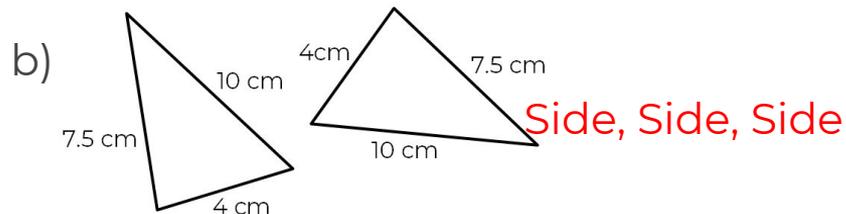
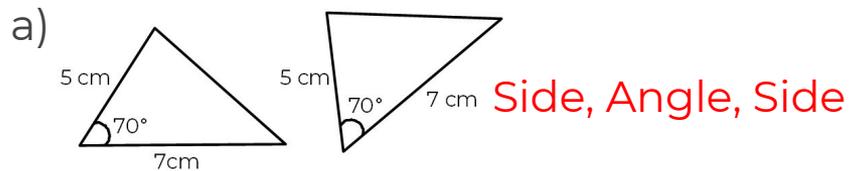
1. Here are seven shapes drawn on a grid.



Write down the letters of any pairs of congruent shapes.

A and E, B and D, F and G

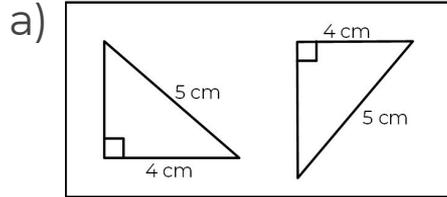
2. Each pair of triangles are congruent. Explain why.



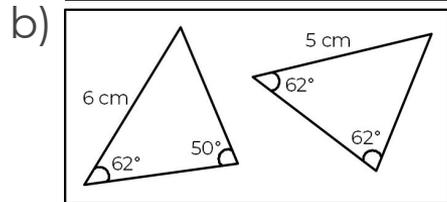
Identify congruent shapes

3. Are each pair of triangles congruent?

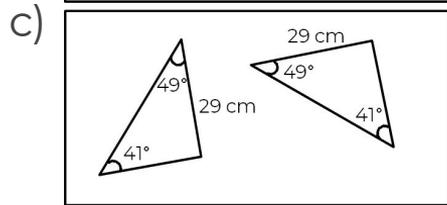
Explain your answer.



Congruent
Right Angle,
Hypotenuse, Side



Not congruent



Congruent
Angle, Side, Angle

4. Decide whether each statement is always, sometimes or never true.

a) When a triangle is rotated about a point the object and image are congruent.

Always true

b) When a triangle is reflected in a line the object and image are congruent.

Always true

