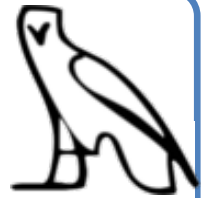
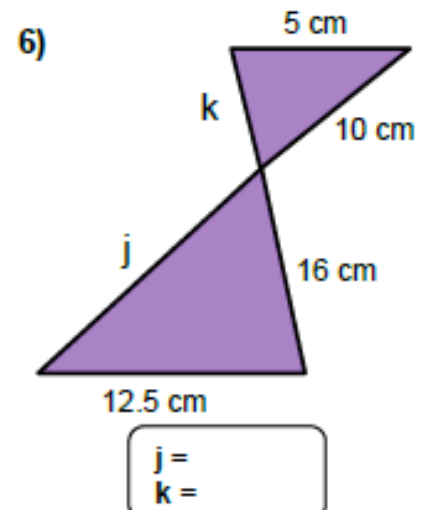
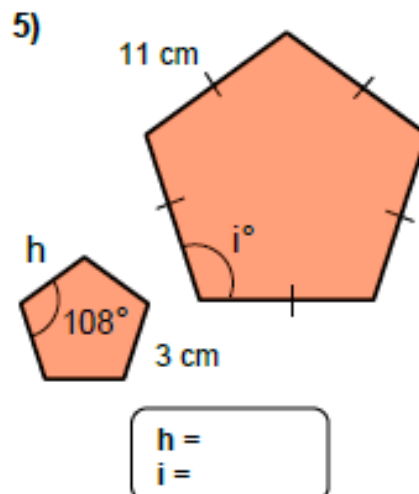
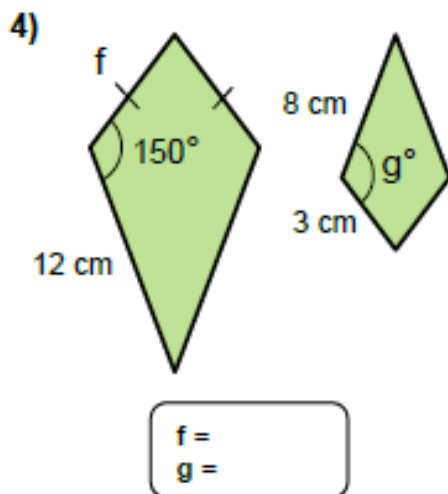
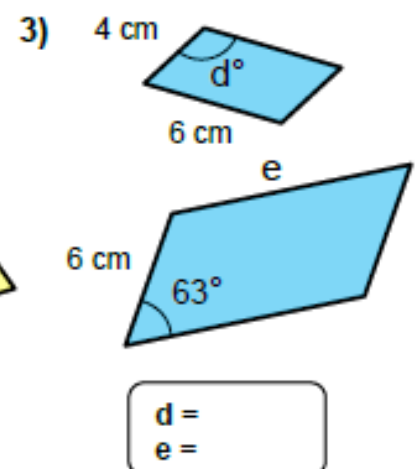
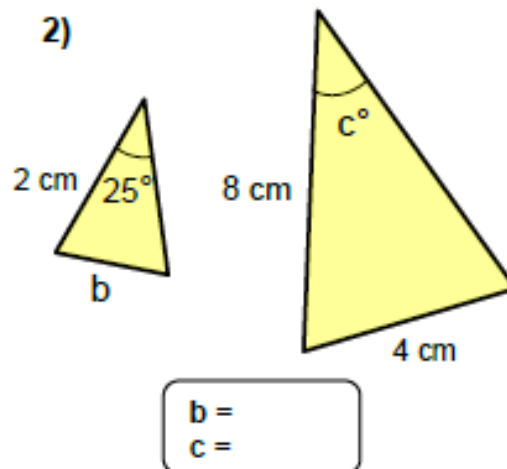
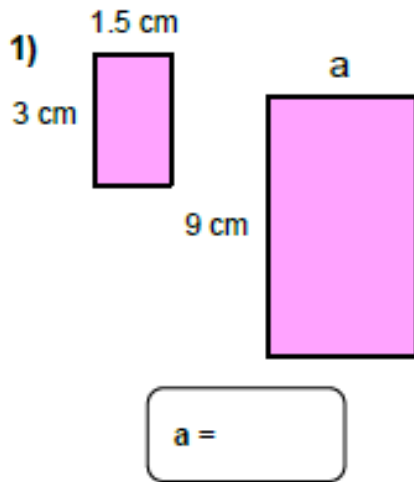


# Similar Shapes Worksheet 2



## Section A

Each pair of shapes are similar, work out the missing lengths or angles as indicated.



## Section B

- A shape has width 1.6 cm and length 3.4 cm. It is enlarged to give a new shape with width 2 cm.
  - Calculate the length of the new shape.
  - Explain why these two shapes must be similar.
- A regular hexagon has lengths of 8 cm. Another regular hexagon has lengths of 15.3 cm.
  - What is the size of the interior angles of both shapes?
  - Explain why these two shapes must be similar.

## Extension

Decide if the following statements are true or false.

	True or False
All circles are similar.	
All rhombuses are similar.	
If two shapes have different side lengths but the same angles, they are similar.	