# GCSE (9-1) <br> MATHEMATICS 

## Topic Check In - 9.02 Congruence

Only AO1 questions for this topic are provided below.

1. Identify a pair of congruent triangles in the grid.

2. The triangles below are congruent. Work out angle a.

3. The triangles below are congruent. Work out angle $b$.

4. The triangles below are congruent. Find length $x$.

5. The pair of triangles below are congruent. Find length KL.


## Answers

## 1. Triangle $A B C$ and triangle MNO

2. $30^{\circ}$
3. $40^{\circ}$
4. 12 cm
5. 17 cm

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| Assessment Objective | Qu. | Topic | R | A | G |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AO1 | 1 | Recognise congruence from accurate drawings. |  |  |  |
| AO1 | 2 | Know that corresponding angles in congruent triangles are equal. |  |  |  |
| AO1 | 3 | Recognise congruence in translated triangles to find angles. |  |  |  |
| AO1 | 4 | Know that corresponding lengths in congruent triangles are equal. |  |  |  |
| AO1 | 5 | Recognise congruence in translated triangles to find lengths. |  |  |  |


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| AO1 | 5 |  |  |  |  |


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