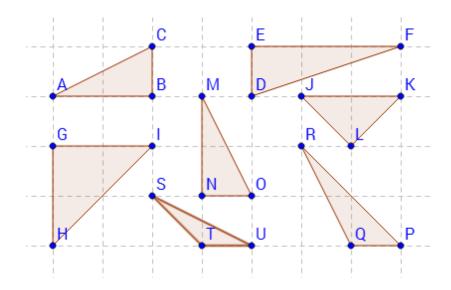
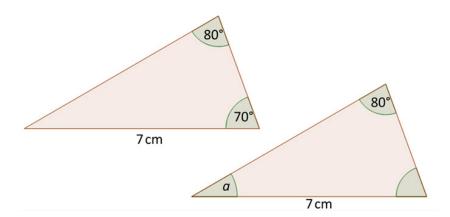
### **Topic Check In - 9.02 Congruence**

Only AO1 questions for this topic are provided below.

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



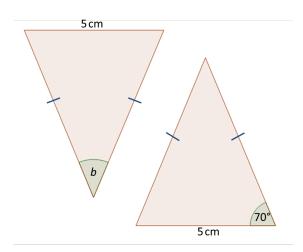
2. The triangles below are congruent. Work out angle a.



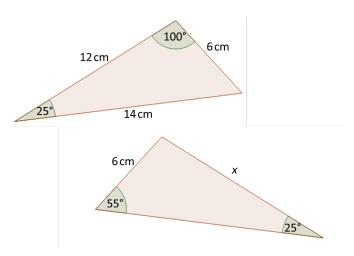




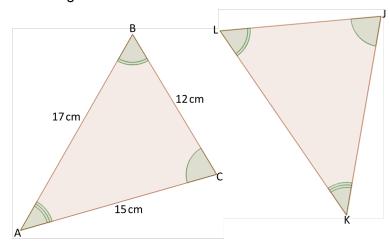
3. The triangles below are congruent. Work out angle *b*.



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



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







### **Answers**

- 1. Triangle ABC and triangle MNO
- 2. 30°
- 3. 40°
- 4. 12 cm
- 5. 17 cm





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Assessment Objective	Qu.	Topic	R	Α	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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