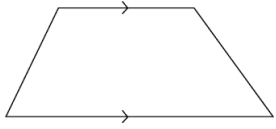
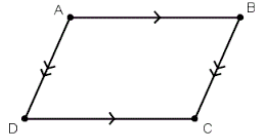
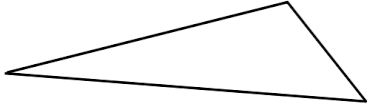
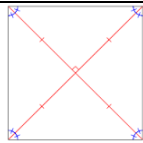
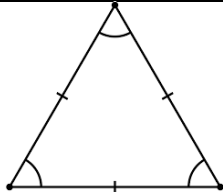
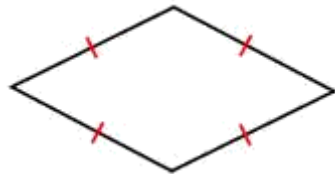


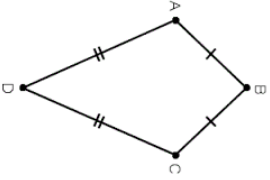
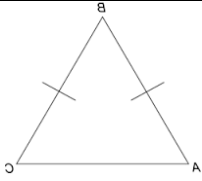
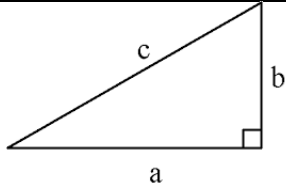
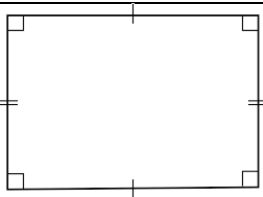
SHARP

Worksheet 11: Geometry of 2D Shapes

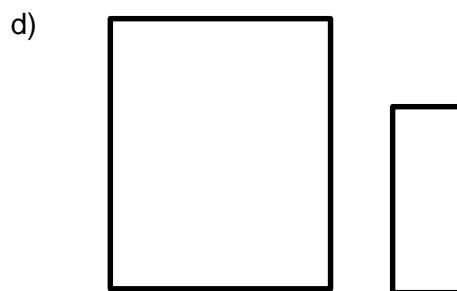
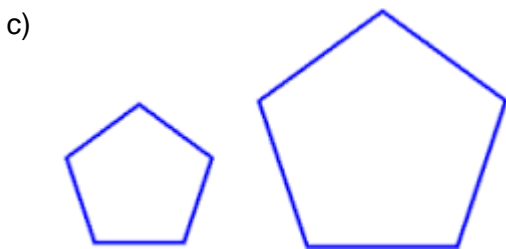
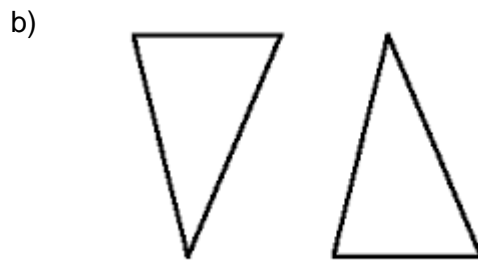
Grade 8 Mathematics

1. Match the shape in column A with its description in column B and its picture in column C.
(Please note that the table is also on the second page).

<u>Column A</u>	<u>Column B</u>	<u>Column C</u>
1. Equilateral triangle	a) Opposite sides equal and parallel and all angles are 90°	i) 
2. Isosceles Triangle	b) All sides equal and opposite angles add up to 180°	ii) 
3. Scalene Triangle	c) Two pairs of adjacent sides equal	iii) 
4. Right Angled Triangle	d) All three sides are different in size	iv) 
5. Parallelogram	e) One pair of sides parallel	v) 
6. Rectangle	f) 3 sides, with one angle equal to 90°	vi) 

7. Square	g) A triangle where the two base angles are equal	vii) 
8. Rhombus	h) A triangle where all three angles are equal to 60°	viii) 
9. Trapezium	i) Opposite sides equal and parallel.	ix) 
10. Kite	j) All four sides equal and opposite sides parallel	x) 

2. Say whether the following shapes are similar, congruent or neither.

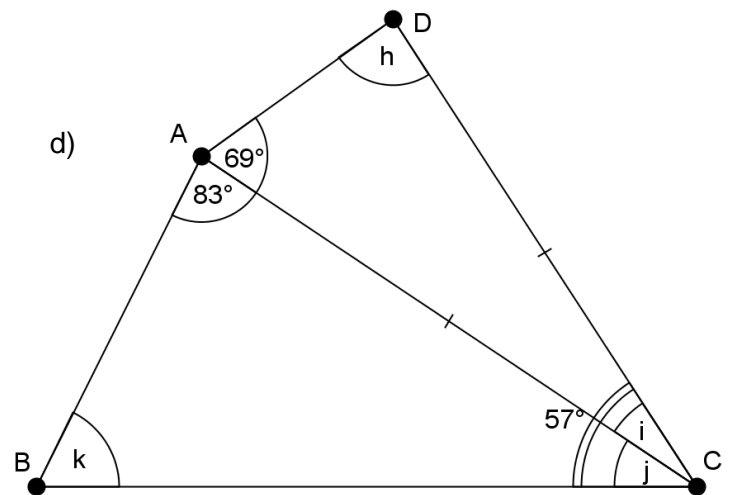
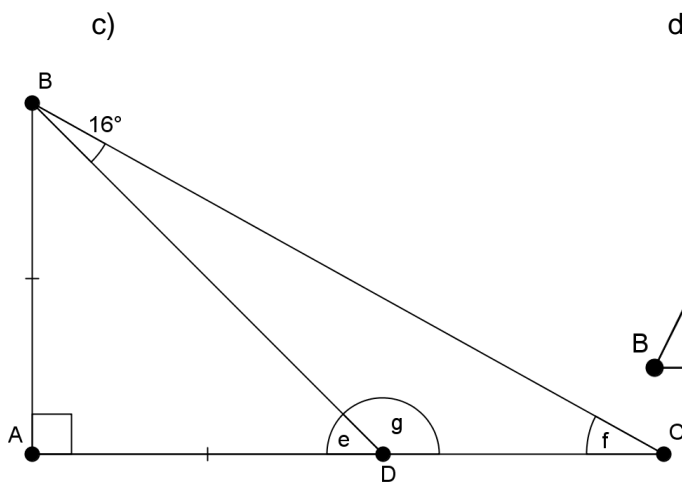
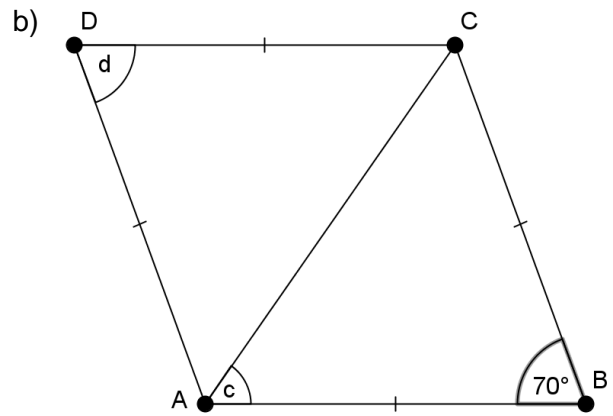
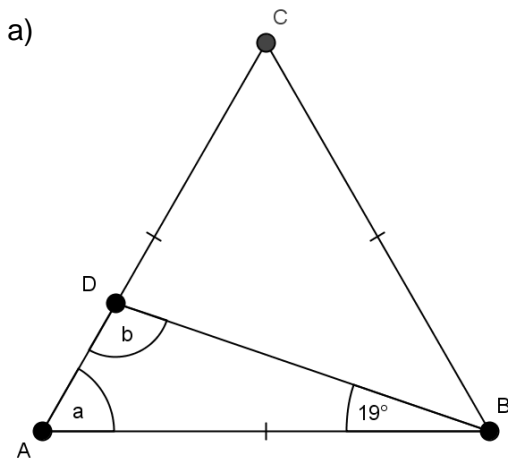


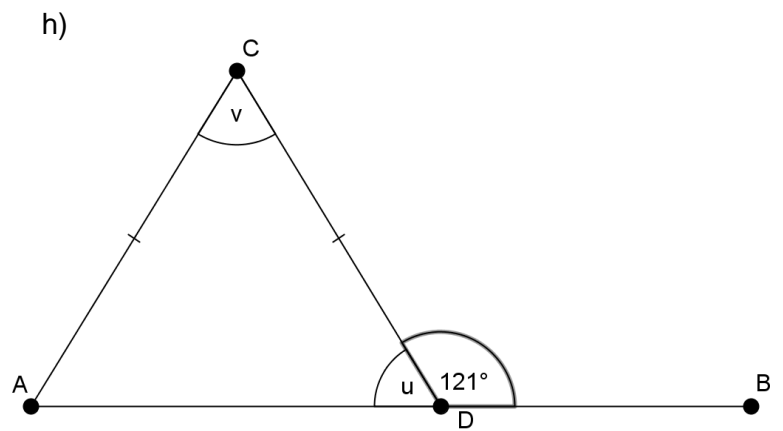
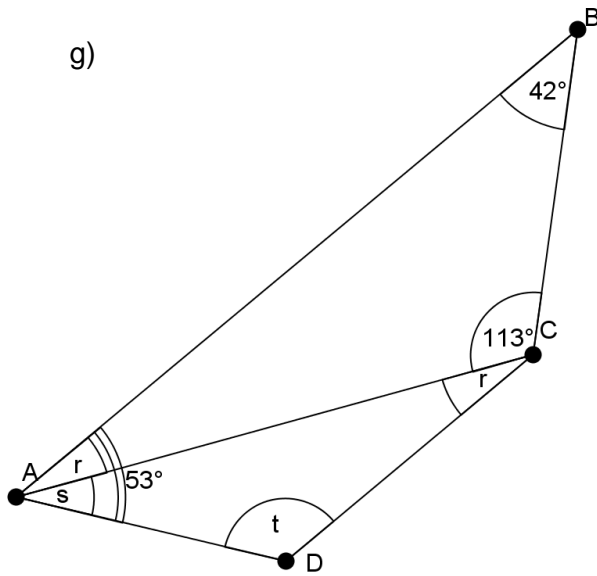
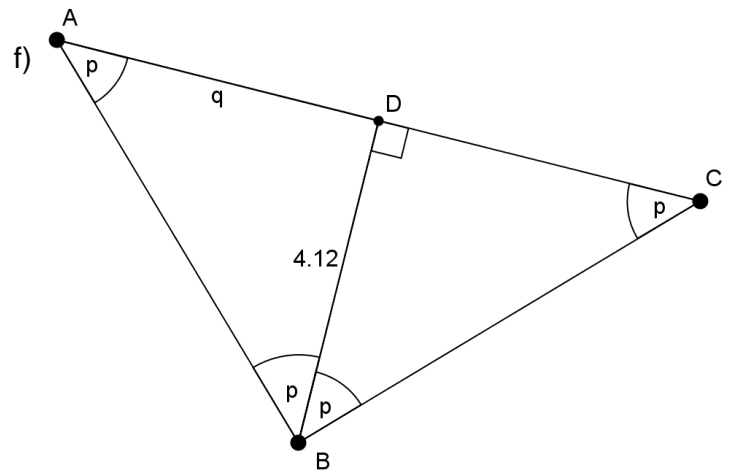
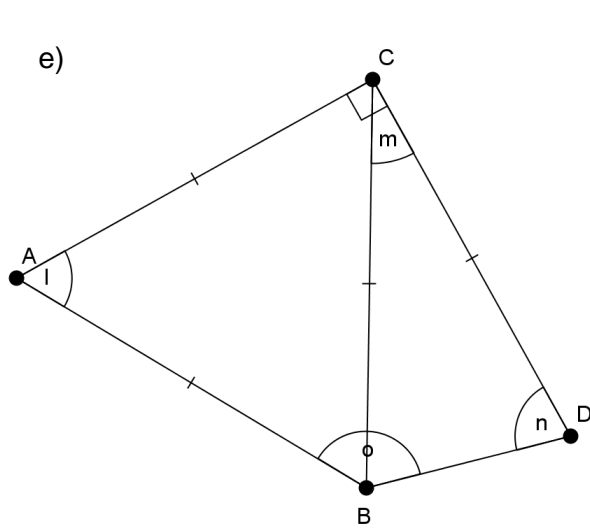
3. What is the difference between similarity and congruency?

4. Say whether the following statements are true or false. If false, correct the statement.

- a) All equilateral triangles are similar.
- b) All scalene triangles are similar.
- c) All rectangles are squares.
- d) All squares are rhombi.
- e) A shape that is congruent to another shape will also be similar to that shape.

5. Find the missing values of $a - z$.





i) Note that ABCD is a parallelogram:

