

GCSE Maths – Geometry and Measures

Properties of Triangles and Quadrilaterals

Worksheet

WORKED SOLUTIONS

This worksheet will show you how to work out different types of [topic] questions. Each section contains a worked example, a question with hints and then questions for you to work through on your own.

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Section A







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Now it's your turn!

If you get stuck, look back at the worked and guided examples.

1. Shade the trapezium - I pair of parallel lines



- 2. Give 2 properties of a Rhombus. Any two of the three
 - · 2 pairs of parallel sides
 - · 4 equal side lengths



3. Calculate angle x.



4. Calculate angle y.







Section B



$$2x + 48^{\circ} = 180^{\circ}$$
$$2x = 132^{\circ}$$
$$x = 66^{\circ}$$



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If you get stuck, look back at the worked and guided examples.

5. Circle the isosceles triangle and give a reason for your identification -> 2 sides lengths and equal and the base angles are equal.



6. Calculate angle x.



7. Calculate angle y in the right-angled triangle.



8. The triangle below is an isosceles triangle. Calculate angle z.



