

Geometry — Full Revision

Name:

Date:

INQUIRY

Angles, shapes, transformations, coordinates, and constructions — geometry is the maths you can see.

Discuss with your partner. Write your initial ideas below:

Key Vocabulary

Term	Definition
Angle sum	Triangle=180. Quadrilateral=360. Polygon=(n-2)x180.
Transformation	Translation, reflection, rotation, enlargement.
Midpoint	Average of coordinates: $((x_1+x_2)/2, (y_1+y_2)/2)$.

Full Revision (28 marks)

1. Find missing angle in triangle: 67 and 48 degrees given. [1 marks]

Show your working:

2. Interior angle of a regular pentagon. [2 marks]

Show your working:

3. Parallel lines: angle $a = 115$. Find co-interior angle. [1 marks]

Show your working:

4. Reflect $(2,3), (4,3), (3,6)$ in x-axis. List new coordinates. [2 marks]

5. Midpoint of $(-2,5)$ and $(6,1)$. [2 marks]

Show your working: