

## <u>Objectives</u>

Use standard convention to refer to angles and sides

Draw diagrams from written descriptions.

Jhe Cartesian Plane

4<sup>th</sup> quadrant

X = negative

y = positive

3

3<sup>rd</sup> quadrant

X = negative

y = negative

Letter and labelling convention

The letter in the middle is the angle

The arc represents the anale

Δ

2

Identify, describe and construct congruent shapes, including on coordinate axes, by considering rotation, reflection and translation

Describe the properties and deginitions of quadrilaterals and triangles.

Apply the properties of angles at a point, angles at a point on a straight line and vertically opposite angles.

ر 51

3

2

1

0

2

3

4

5†

1

Y axis

pt quadrant

X = positive

y = positive

3

4

5

2

1



## Key Vocabulary

Coordinate – Describes location of a point on the  $\boldsymbol{x}$  and  $\boldsymbol{y}$  axes

Year 7 Knowledge Organiser -

Quadrant – Four quadrants (quarters) of a coordinate grid

Angle – The distance, measured in degrees, between two arms

Congruent – Two objects are congruent if they are the same shape and size (or mirror images of each other)

Quadrilateral - A four sided 2D shape

Vertically opposite - Angles directly opposite each other around a point

Polygon - A 2D shape with straight edges

Parallel – Two lines which are equidistant (never meet)

Perpendicular – Two lines which intersect at right angles





X axis

Around a point - sum to 360° On a straight-line sum to 180° Vertically opposite angles are equal

In a quadrilateral sum to 360°

In a triangle sum to 180°

