**Geometry**

**Points – Are the invisible points in one line, usually points of endings or point of intersecting lines**

**Are named with 1 capital letter**

**TYPES:**

Collinear points: 3 points lying on the same lines

Non- collinear points: 3 points not lying on the same lines

Coplanar points: 3 points lying on the same plane

Non- coplanar points: 3 points not lying on the same plane

**Lines: can extend to the end of anything**

**Are named with 2 capital letters**

Line Segment: parts of a line which has ending points

Ray: it has an ending but also a everlasting side.

* OPPOSITE RAY: This is a pair of rays which can go left or right

B

C

A

AC

CB

The opposite rays here are and because one of them is going left, than one of them is going right (including the middle)

TYPES OF LINES:

Parallel lines: are lines which have the same measurements and lands on a plane

Intersecting lines: a line which passes through another line

* Perpendicular lines: is like intersecting line except forms 90º angles

Screw lines: lines not in the same plane

**PLANES: flat surface**

**Named with four capital letters**

A B

C D