

Geometry Review: Presentations

Part 1: Coordinate Geometry

1. What are...
 - a. Points
 - b. Lines
 - c. Rays
 - d. Line Segments
2. Coordinate/Analytical Geometry
 - a. Coordinate Points
 - b. Lines, Rays and Line Segments on a Coordinate Plane (equations)

Part 2: Angles

1. All About Angles
 - a. Acute
 - b. Right
 - c. Obtuse
2. Measuring Angles
 - a. Degrees
 - b. Radians

Part 3: Triangles

1. All About Triangles
 - a. Equilateral
 - b. Isosceles
 - c. Scalene
 - d. Right
 - e. Obtuse
 - f. Acute
2. Areas of...
 - a. Acute Triangles
 - b. Right Triangles
 - c. Obtuse Triangles

Part 4: Quadrilaterals

1. Types of Quadrilaterals
 - a. Square
 - b. Rectangle
 - c. Rhombus
 - d. Parallelogram
 - e. Trapezoid
 - f. Kite
 - g. Trapezium
2. Areas of
 - a. Squares
 - b. Rectangles
 - c. Rhombus
 - d. Parallelogram
 - e. Trapezoid

Part 5: Circles + 3-Dimensional Shapes

1. Parts of a Circle
 - a. Radius
 - b. Diameter
 - c. Circumference
 - d. Secant
 - e. Sector
 - f. Chord
 - g. Arc
2. Area of
 - a. Circle
 - b. Semi-Circle
 - c. Sector
3. 3-D Shapes
 - a. Cube
 - b. Cuboid
 - c. Prism
 - d. Pyramid
 - e. Cylinder
 - f. Cone
 - g. Sphere
4. Volumes of
 - a. Cube
 - b. Cuboid
 - c. Prism
 - d. Pyramid
 - e. Cylinder
 - f. Cone
 - g. Sphere

Part 6: [Challenge] Rigid Motion + Symmetry

1. Types of Rigid Motion
 - a. Translation
 - b. Rotation
 - c. Reflection
2. Translating Functions
 - a. Left and Right (x -axis)
 - b. Up and Down (y -axis)
3. Reflection Across...
 - a. x -axis
 - b. y -axis
 - c. the line $y = x$