GEOMETRIC SHAPES AND HOW TO DEFINE THEM FOR TECHNICAL WRITING

Mr. Hagberg Tech/ Engineering, Grade 8

Sphere: Only one dimension needs to be given: Diameter.

Circle: Two dimensions: Diameter and thickness.

Cube: Only one dimension needs to be given: The length of one side.

Square: Two dimensions: Length of one side and thickness.

Rectangle: Three dimensions: Short side, long side and thickness.

Rhombus: Length of top, sides, bottom, the thickness and the angles.

Trapezoid: Length of top, sides, bottom, the thickness and the angles.

Isosceles Trapezoid: Has equal sides and the angles are equal from side to side.

Triangles: Length of sides, thickness.

Isosceles Triangle: Two sides the same.

Right Triangle: One right angle.

Equilateral Triangle: All sides the same length.

Acute triangle: All angles less than 90 degrees.

Scalene Triangle: no sides the same length.

Obtuse triangle: One angle is greater than 90 degrees.

Arc: A partial circle, dimensions should be radius and how many degrees.

Ellipse: Dimensions need to include radii, foci and thickness.

Tangent line: Line that touches the edge of a circle.

Secant line: Line that intersects edge of circle