

An Overview of the Fundamental Geometric * All in One * Names, Shapes, Properties * Page (1)
 Use this answer page for an activity too... Blank out characteristics on left side then fill in blanks!

(Lines)

One Sided
 Straight
 Infinite

Horizontal



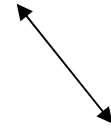
Vertical



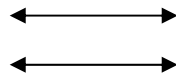
Oblique (+)



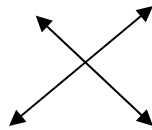
Oblique (-)



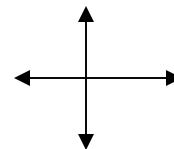
Parallel



Intersecting



Perpendicular

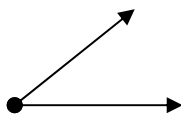


Never Touch
 Touch Once
 Cross @ 90°

(Angles)

Two Sided
 $>0^{\circ}$ & $<180^{\circ}$
 Connected Rays

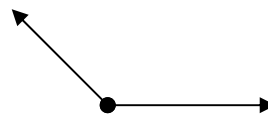
Acute \angle



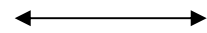
Right \angle



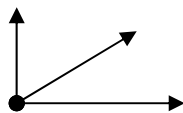
Obtuse \angle



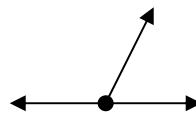
Straight \angle



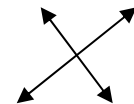
Complementary \angle s



Supplementary \angle s



Vertical \angle s

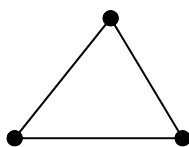


$A1+A2=90^{\circ}$
 $A1+A2=180^{\circ}$
 $A1=A2 \& A3=A4$

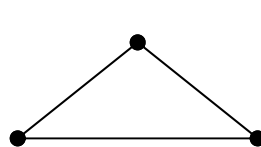
(Triangles)

Three Sided
 Closed
 $A+B+C = 180^{\circ}$

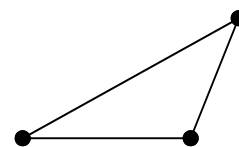
Equilateral



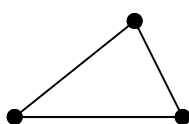
Isosceles



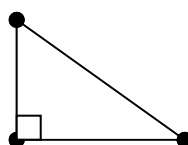
Scalene



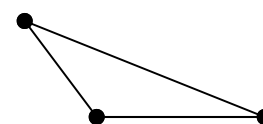
Acute



Right



Obtuse



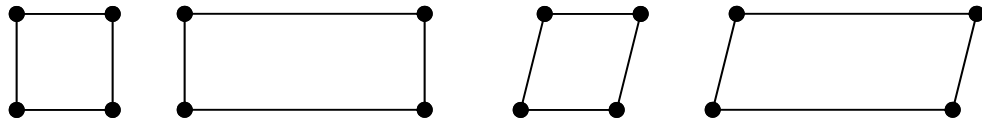
All Angles $< 90^{\circ}$
 One Angle $= 90^{\circ}$
 One Angle $> 90^{\circ}$

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(Quadrilaterals)

Square Rectangle Rhombus Rhomboid

Four Sides/Closed
 Opposite Sides "P"
 $A+B+C+D=360^0$



Trapezoid Trapezium

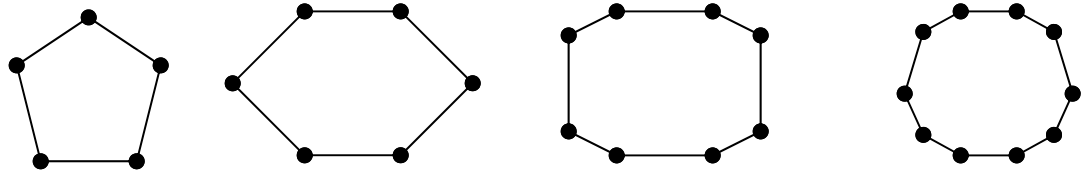
Four Sides/Closed
 Sides/Angles not Equal
 $A+B+C+D=360^0$



(Polygons)

Pentagon Hexagon Octagon Decagon

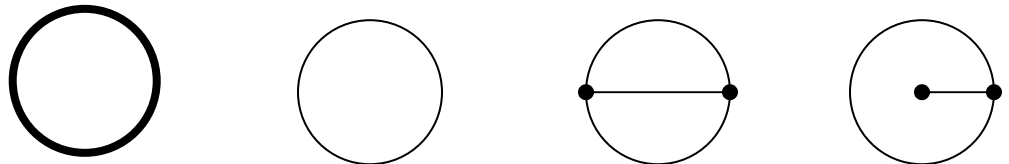
Many Sides
 Closed
 $SumAngles=(n-2)180^0$



(Circles)

Circumference Center Diameter Radius

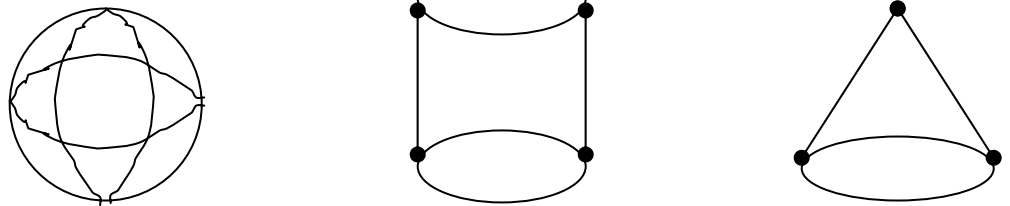
Infinite Sided
 Closed & $C = 360^0$
 $D=2xR$ $Pi=3.14$
 $C=(Pi)D$ $A=(Pi)R^2$



(Circular Solids)

Sphere Cylinder Cone

3D Object
 Rounded (Smooth) Sides
 Infinite Sided
 SurfaceArea & Volume



(Lateral Solids)

Cube Prism Pyramid

3D image
 Lateral (Flat) Sides
 Faces, Edges, Vertices
 SurfaceArea & Volume

