

Geometry

Saturday 8 February 2025

22:28

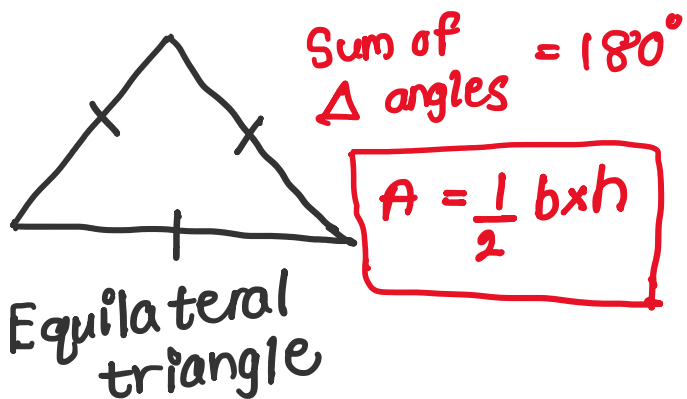
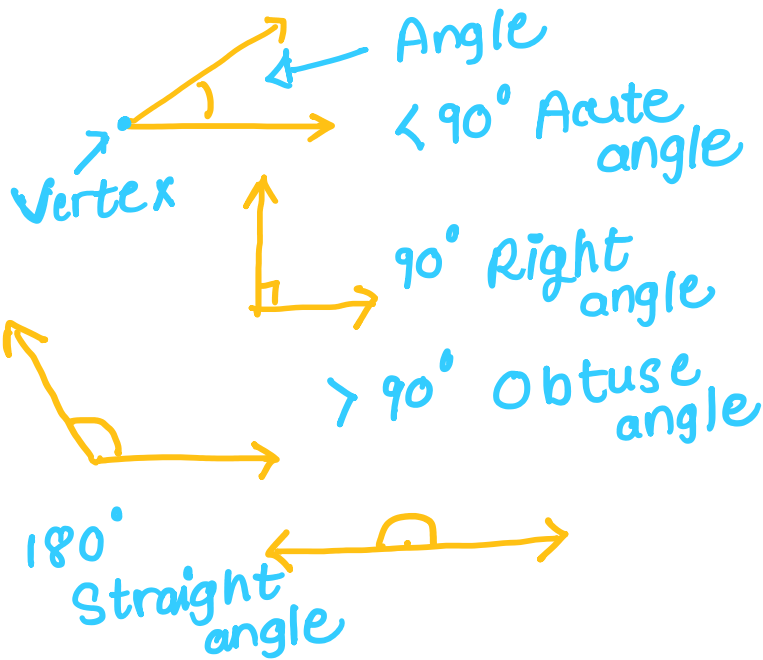
Geometry

Plane (2D)

- Point (a location in space)
- line (straight path no end)

line segment
A B

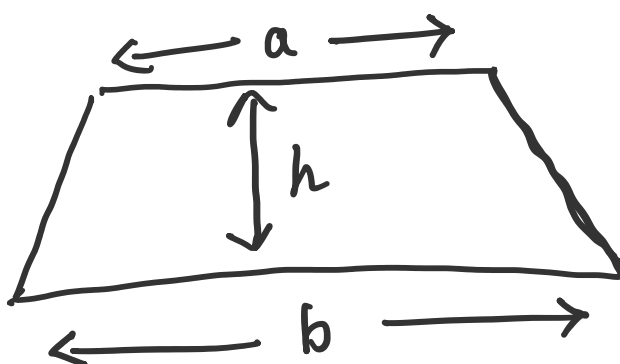
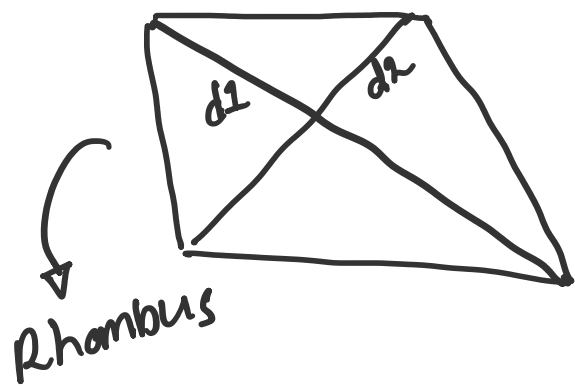
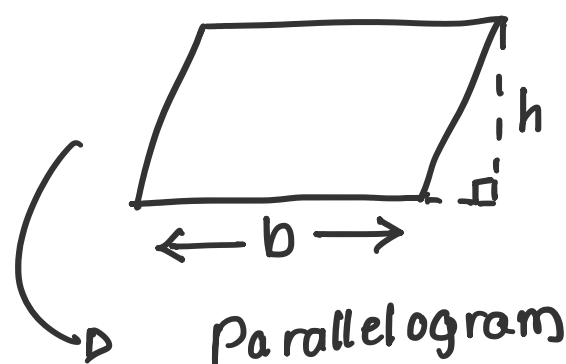
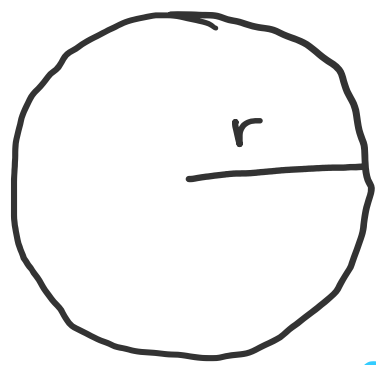
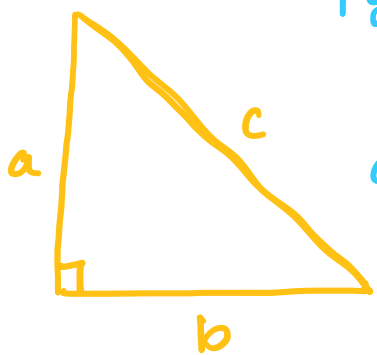
Ray (start at 1 point & extend to ∞)



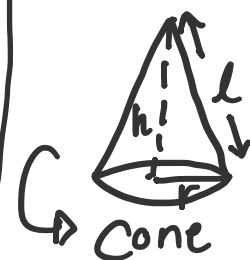
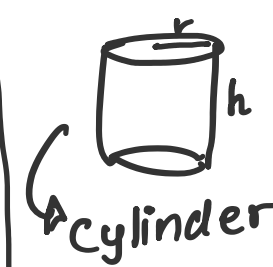
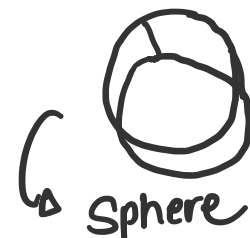
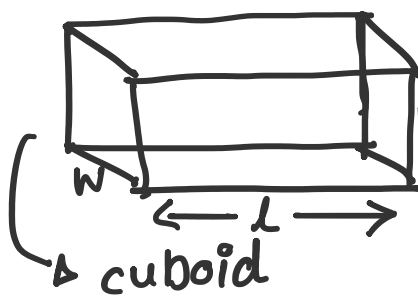
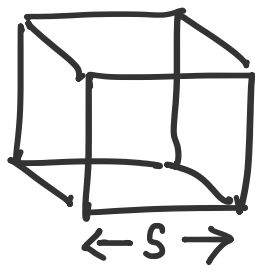
Triangle is a 3 sided **POLYGON**

Plane shape with 3 or more straight lines.

Pythagorean Theorem



Solid (3D)



A pyramid can have different shaped bases. Above is a square pyramid.

All sides equal length
★ Regular Polygon

$A = \frac{1}{2} n s a$
no. of sides
side length
center to mid point of side