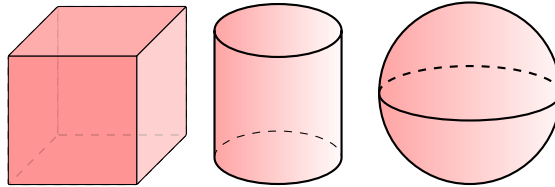# THREE-DIMENSIONAL SHAPES

A THREE-DIMENSIONAL SHAPES

Definition Solid Geometry

Solid geometry studies **three-dimensional shapes**, such as cubes, cylinders, and spheres. The diagrams show examples of these shapes.

Definition Surface

A **surface** is the exterior of a three-dimensional shape.

Definition Face
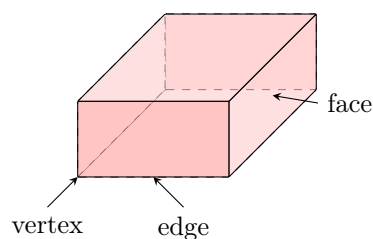
A **face** is a flat surface of a three-dimensional shape.

Definition Edge

An **edge** is a line segment where two faces meet.
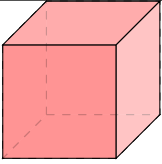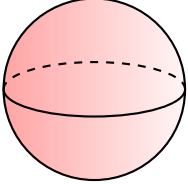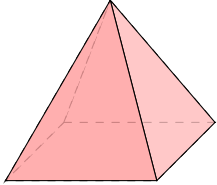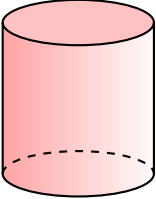
Definition Vertex

A **vertex** is a point where two or more edges meet.

Ex:

B CLASSIFICATION

Definition **Classification**

Name	Shape	Faces	Edges	Vertices
Cube		6 (flat)	12	8
Sphere		1 (curved)	0	0
Square Pyramid		5 (flat)	8	5
Cylinder		3 (1 curved, 2 flats)	0	0