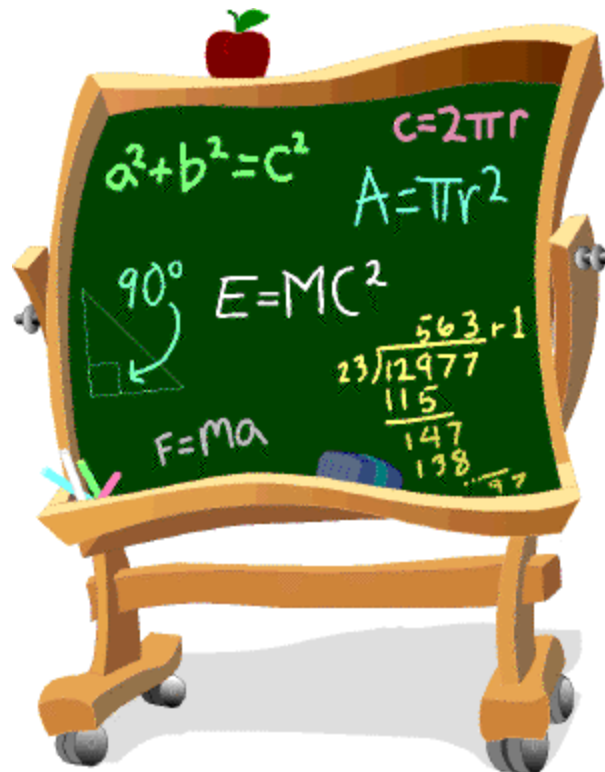
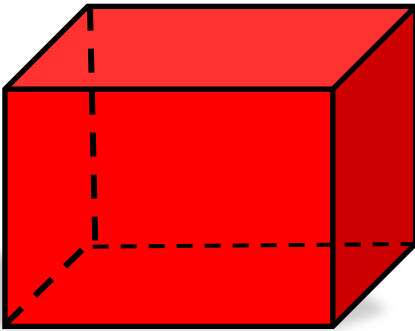
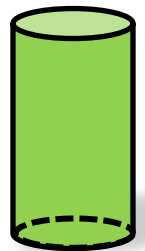
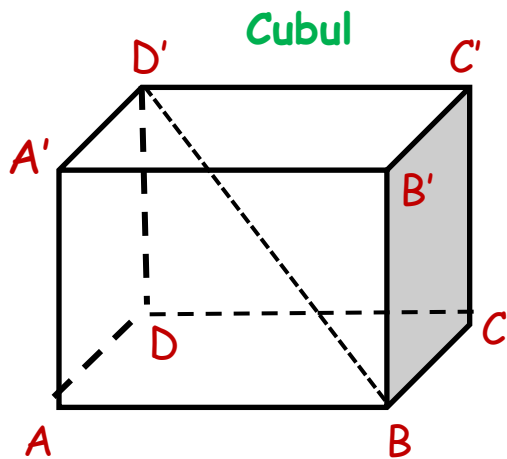


MATEMATICA

clasa a VIII-a



Corpuri geometrice



Varfurile: $A, B, C, D, A', B', C', D'$

Muchiile: $[AB]; [BC]; [CD]; [DA]$

$[A'B']; [B'C']; [C'D']; [D'A']$

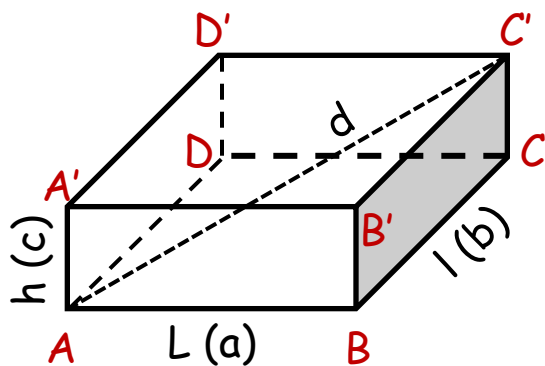
Muchiile verticale: $[AA']; [BB'];$

$[CC']; [DD']$

Fete: $ABCD; A'B'C'D'$ (bazele)

Fete laterale: $BCB'C'; ABB'A'; ABA'D'; DCC'D'$

Paralelipiped dreptunghic



Varfurile: $A, B, C, D, A', B', C', D'$

Muchiile: $[AB]; [BC]; [CD];$

$[DA]; [A'B']; [B'C']; [C'D']; [D'B']$

Dreptunghiuri: $ABCD;$

$A'B'C'D'; BCC'B'; CDD'C'; DAA'D';$
 $ABB'A'$

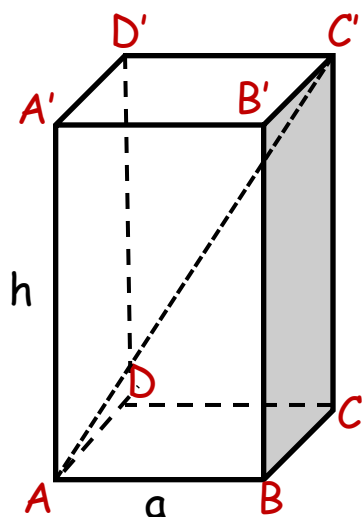
$L = AB = a$ - lungime

$l = BC = b$ - latime

$h = AA' = c$ - inaltime

$d = AC' =$ diagonala paralelipipedului (4 diagonale)

Prisma dreapta



$ABCD A'B'C'D'$ -prisma

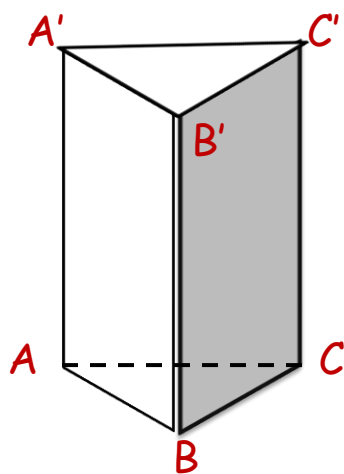
patrulateră regulată, dreaptă

$ABCD$ -patrat

$[AB] \equiv [BC] \equiv [CD] \equiv [AD]$

AA' - perpendicular pe bază

Prisma triunghiulară



$ABCD A'B'C'D'$ -prisma

triunghiulară regulată dreaptă

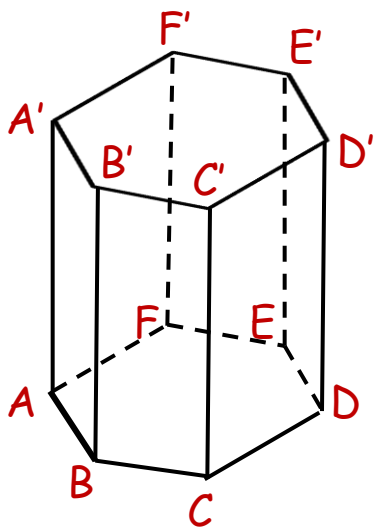
ABC - Δ echilateral

$[AB] \equiv [BC] \equiv [CA]$

AA' -perpendiculară pe bază

$ABB'A'$; $BCC'B'$; $ACC'A'$ - fețe laterale (dreptunghiuri)

Prisma hexagonală



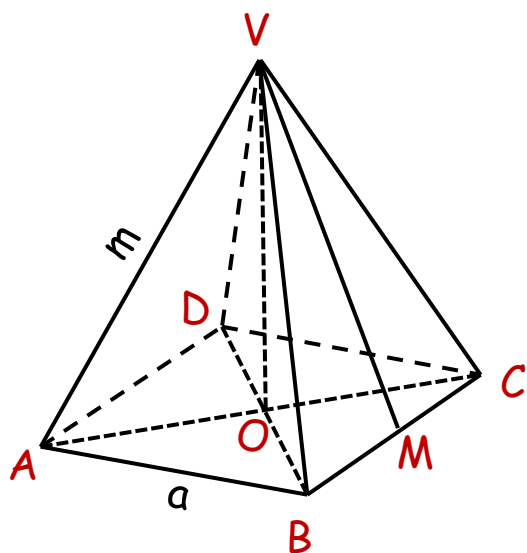
ABCDEF; A'B'C'D'E'F' - prisma
hexagonală

ABCDEF - hexagon regulat

$[AB] \equiv [BC] \equiv [CD] \equiv [DE] \equiv [FA]$

AA' - perpendicular pe baza

Piramida patrulateră regulată



ABCD - patrat

$[AB] \equiv [BC] \equiv [CD] \equiv [AD] = a$

$[VA] \equiv [VB] \equiv [CV] \equiv [VD] = m$

$[OA] \equiv [OC] \equiv [OB] \equiv [OD]$

a - muchia bazei

m - muchia laterala

VO = h - inaltimea piramidei

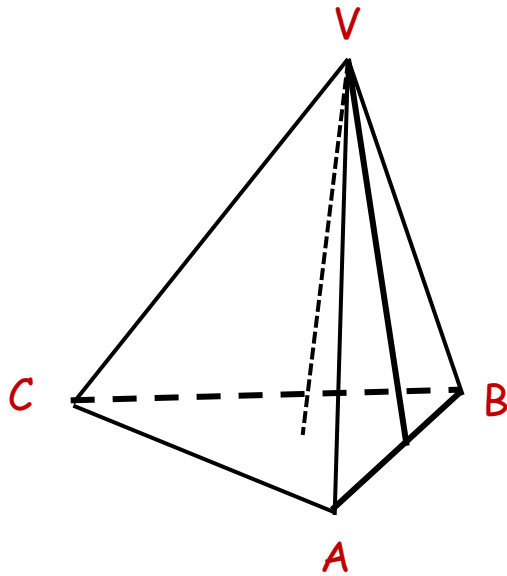
VM - perpendicular pe BC

VM - a_p (apotema piramidei)

A; B; C; D - varfurile bazei

VAB; VBC; VCD; VDA - fete
laterale (triunghiuri isosceles)

Piramida triunghiulara regulata



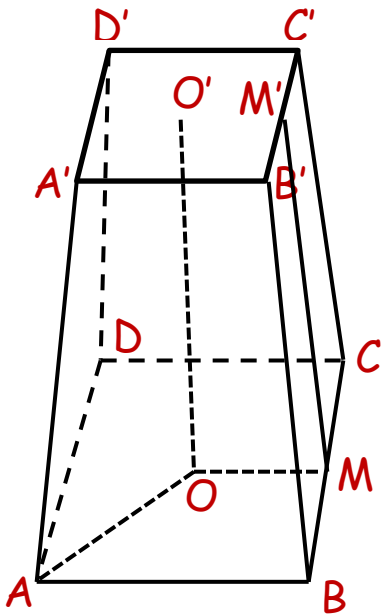
$ABC - \Delta$ echilateral

O - centrul cercului
circumscriis triunghiului

$OA = OB = OC = R$ (raza
cercului circumscriis)

$OM = a_b$ (apotema bazei)

Trunchi de piramida patrulatera regulata



Baze = $ABCD; A'B'C'D'$

Fete = $ABB'A'; BCC'B'; CDD'C'; DAA'D'$
(trapez isoscel)

$OO' = h$ - inaltime

$MM' =$ apotema triunghiului

$OM = a_B$ (apotema bazei mari)

$O'M' = a_b$ (apotema bazei mici)

$AA' = BB' = DD' = m$ -muchia laterala

$OA = R$ - raza cercului circumscriis bazei mari

$O'A' = R$ - raza cercului circumscriis bazei mici