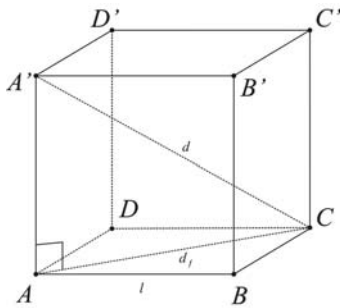


# FORMULE - CORPURI GEOMETRICE

## I. POLIEDRE

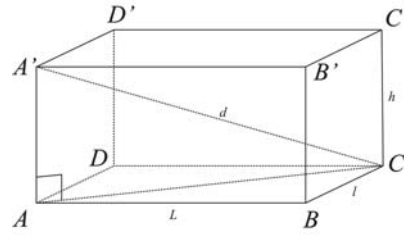
### CUBUL



$$A_l = 4l^2; A_t = 6l^2; V = l^3$$

$$d_f = l\sqrt{2}; d = l\sqrt{3}$$

### PARALELIPIPEDUL DREPTUNGHIIC

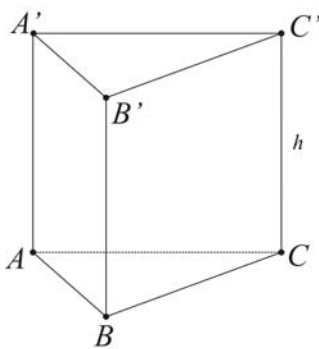


$$A_t = 2 \cdot (L \cdot l + L \cdot h + l \cdot h); V = L \cdot l \cdot h$$

$$d = \sqrt{L^2 + l^2 + h^2}$$

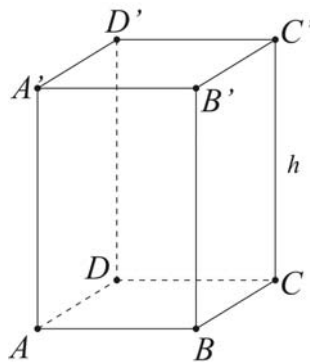
### PRISMA REGULATĂ

#### TRIUNGHIULARĂ



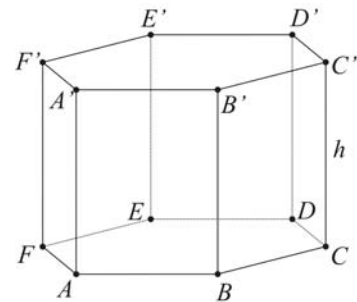
$$A_t = P_b \cdot h$$

#### PATROLATERĂ



$$A_t = A_l + 2 \cdot A_b$$

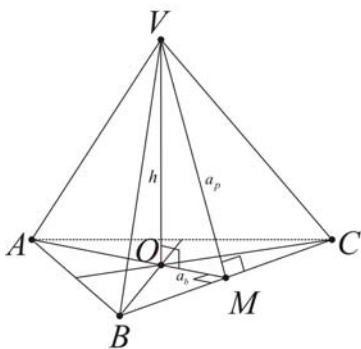
#### HEXAGONALĂ



$$V = A_b \cdot h$$

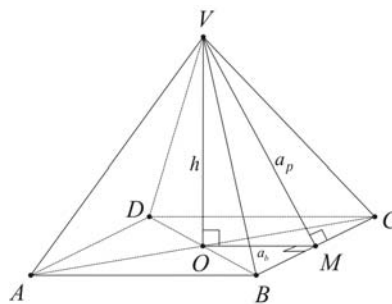
### PIRAMIDA REGULATĂ

#### TRIUNGHIULARĂ



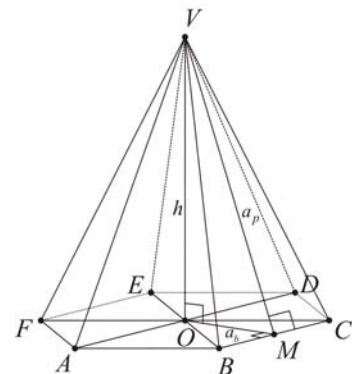
$$A_t = \frac{P_b \cdot a_p}{2}$$

#### PATROLATERĂ



$$A_t = A_l + A_b$$

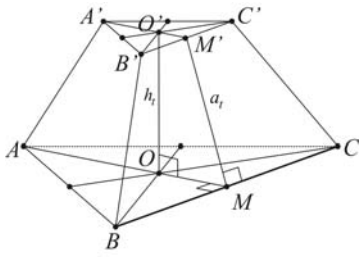
#### HEXAGONALĂ



$$V = \frac{A_b \cdot h}{3}$$

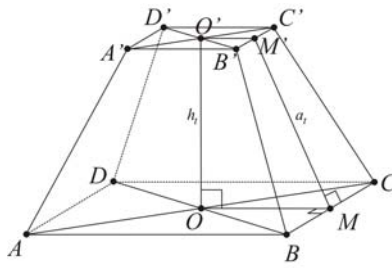
## TRUNCHIUL DE PIRAMIDĂ REGULATĂ

### TRIUNGIULARĂ



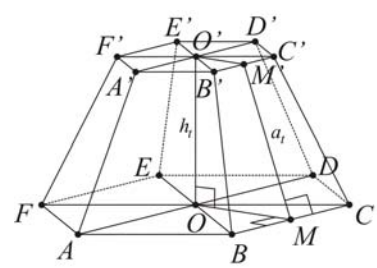
$$A_t = \frac{(P_B + P_b) \cdot a_t}{2}$$

### PATRULATERĂ



$$A_t = A_l + A_B + A_b$$

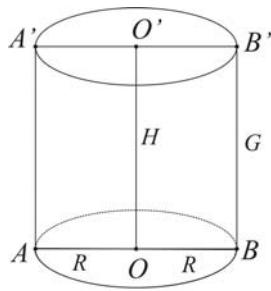
### HEXAGONALĂ



$$V = \frac{h_t}{3} \cdot (A_B + A_b + \sqrt{A_B \cdot A_b})$$

## II. CORPURI ROTUNDE

### CILINDRUL

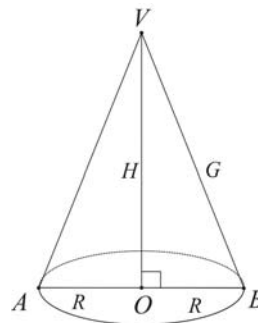


$$A_l = 2\pi R G$$

$$A_t = 2\pi R(G + R)$$

$$V = \pi R^2 H$$

### CONUL

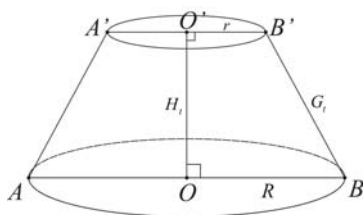


$$A_l = \pi R G$$

$$A_t = \pi R(G + R)$$

$$V = \frac{\pi R^2 H}{3}$$

### TRUNCHIUL DE CON

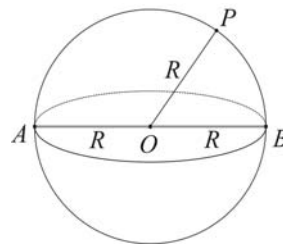


$$A_l = \pi G_t (R + r)$$

$$A_t = \pi G_t (R + r) + \pi R^2 + \pi r^2$$

$$V = \frac{\pi H_t}{3} (R^2 + r^2 + Rr)$$

### SFERA



$$A = 4\pi R^2$$

$$V = \frac{4\pi R^3}{3}$$