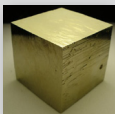
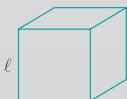


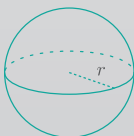
figures a l'espai

Cub



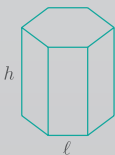
$$A = 6 \ell^2, \quad V = \ell^3$$

Esfera



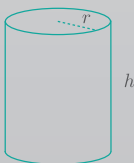
$$A = 4 \pi r^2, \quad V = \frac{4}{3} \pi r^3$$

Prisma hexagonal



$$A = 3 \sqrt{3} \ell^2 + 6 \ell h, \quad V = \frac{3 \sqrt{3}}{2} \ell^2 h$$

Cilindre



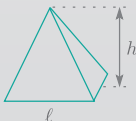
$$A = 2 \pi (r^2 + r h), \quad V = \pi r^2 h$$

Dodecàedre



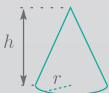
$$A = 3 \sqrt{25 + 10 \sqrt{5}} \ell^2, \quad V = \frac{15 + 7 \sqrt{5}}{4} \ell^3$$

Piràmide



$$A = \ell^2 + \ell \sqrt{4h^2 + \ell^2}, \quad V = \frac{1}{3} \ell^2 h$$

Con



$$A = \pi(r^2 + r \sqrt{r^2 + h^2}), \quad V = \frac{1}{3} \pi r^2 h$$

Característica d'Euler



$$\text{Cares} - \text{Arestes} + \text{Vèrtexs} = \chi$$



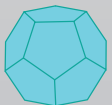
$$4 - 6 + 4 = 2$$



$$6 - 12 + 8 = 2$$



$$8 - 12 + 6 = 2$$



$$12 - 30 + 20 = 2$$



$$20 - 30 + 12 = 2$$

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