

# Volume dan Luas Permukaan *Prisma & Limas*

# VIII



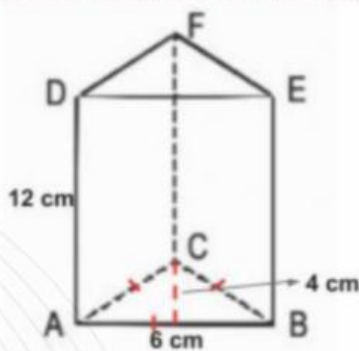
Nama :

Kelas :

Tanggal :

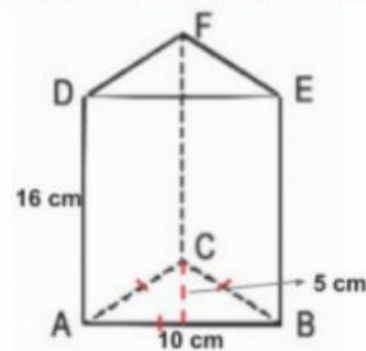
| RUMUS          | Prisma Segitiga Sama Sisi                                                                                               | Limas Persegi                                                                                                  |
|----------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Volume         | $\text{Luas Alas} \cdot T_{\text{prisma}}$<br>$(\frac{1}{2} \cdot \text{alas} \cdot T_{\text{alas}}) T_{\text{prisma}}$ | $\frac{1}{3} \cdot \text{luas alas} \cdot \text{tinggi}$<br>$\frac{1}{3} \cdot s \cdot s \cdot \text{tinggi}$  |
| Luas Permukaan | $(2 \cdot La) + (\text{kel alas} \cdot t)$                                                                              | $\text{Luas alas} + \text{Luas sisi tegak}$<br>$(s \cdot s) + (4 \cdot \frac{1}{2} \cdot \text{alas} \cdot t)$ |

Hitunglah volume dan luas permukaan bangun prisma dan limas di bawah ini!



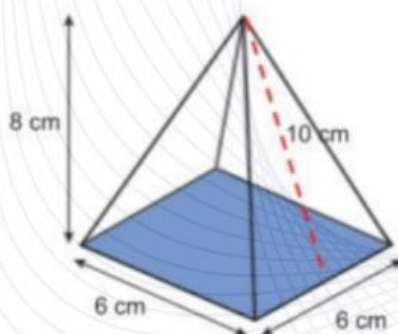
$$V = \frac{1}{2} \times 6 \times 4 \times 12 = \text{cm}^3$$

$$Lp = (6 \times 4) + (6 \times 12) = \text{cm}^2$$



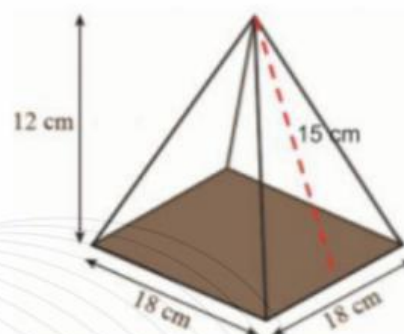
$$V = \frac{1}{2} \times 10 \times 5 \times 16 = \text{cm}^3$$

$$Lp = (10 \times 5) + (10 \times 16) = \text{cm}^2$$



$$V = \frac{1}{3} \times 6 \times 6 \times 8 = \text{cm}^3$$

$$Lp = (6 \times 6) + (4 \times 6 \times 10) = \text{cm}^2$$



$$V = \frac{1}{3} \times 18 \times 18 \times 12 = \text{cm}^3$$

$$Lp = (18 \times 18) + (4 \times 18 \times 15) = \text{cm}^2$$