

LATIHAN MATEMATIK T2

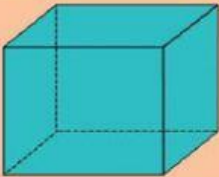
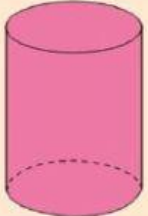
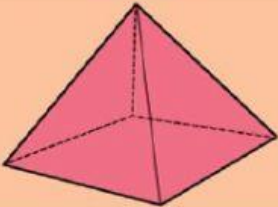
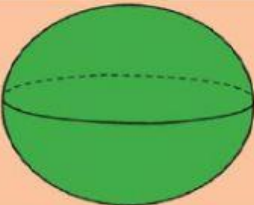
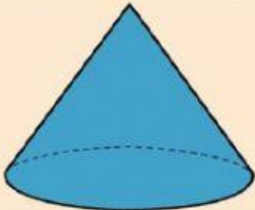
BAB 6: BENTUK GEOMETRI TIGA DIMENSI

Nama: _____

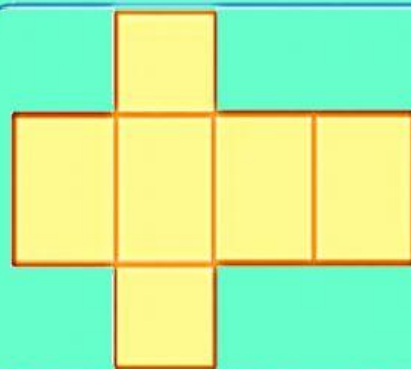
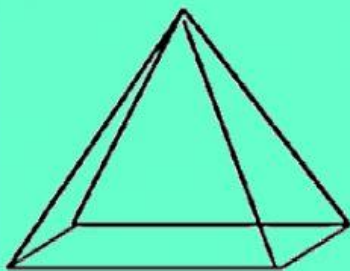
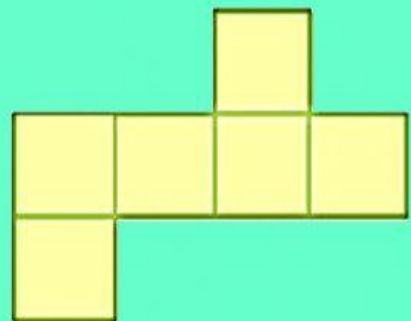
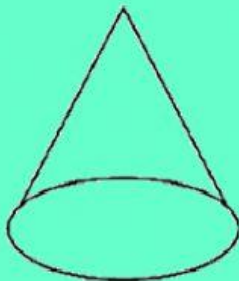
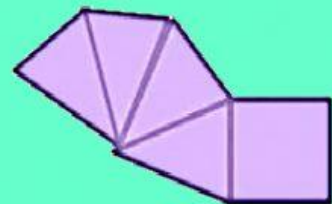
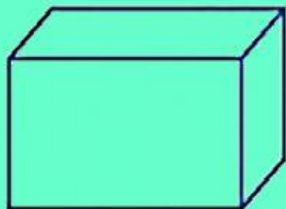
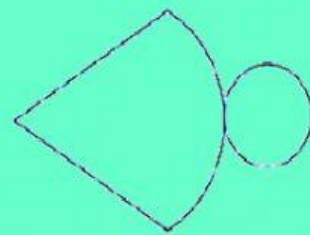
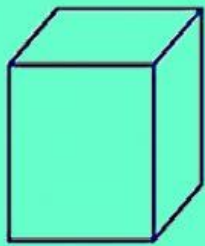
Kelas: _____

ARAHAN: Pilih jawapan yang tepat pada ruangan yang disediakan.

Ciri-ciri dan Sifat 3D

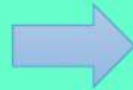
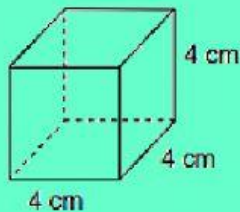
Bentuk	Nama Bentuk	Permukaan Rata	Permukaan Lengkung	Sisi Lurus	Bucu
	Kubus	6	0		8
		2		0	0
			0	8	5
	Kuboid	6	0	12	
		0	1		0
		1		0	1

Padankan bentuk 3 Dimensi dengan bentangnya.



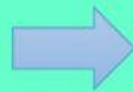
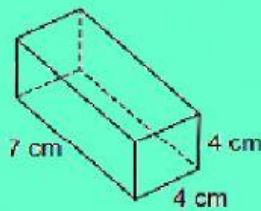
ARAHAN: Hitung luas permukaan geometri berikut dengan memasukkan nilai yang tepat pada kotak jawapan yang disediakan.

(a)



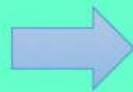
$$\begin{aligned}
 \text{(a) Luas permukaan kubus} &= 6 \times \text{luas segi empat sama} \\
 &= 6 \times (\square \text{ cm} \times \square \text{ cm}) \\
 &= 6 \times 16 \text{ cm}^2 \\
 &= \square \text{ cm}^2
 \end{aligned}$$

(b)



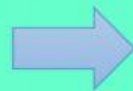
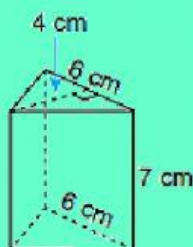
$$\begin{aligned}
 \text{(b) Luas permukaan kuboid} &= (4 \times \text{luas segi empat tepat}) + (2 \times \text{luas segi empat sama}) \\
 &= (4 \times \square \text{ cm} \times 7 \text{ cm}) + (2 \times 4 \text{ cm} \times \square \text{ cm}) \\
 &= (4 \times 28 \text{ cm}^2) + (2 \times \square \text{ cm}^2) \\
 &= \square \text{ cm}^2
 \end{aligned}$$

(c)



$$\begin{aligned}
 \text{(c) Luas permukaan piramid} &= (4 \times \text{luas segi tiga}) + (\text{luas segi empat sama}) \\
 &= 4 \left(\frac{1}{2} \times 8 \text{ cm} \times \square \text{ cm} \right) + (\square \text{ cm} \times 8 \text{ cm}) \\
 &= 80 \text{ cm}^2 + 64 \text{ cm}^2 \\
 &= \square \text{ cm}^2
 \end{aligned}$$

(d)



$$\begin{aligned}
 \text{(d) Luas permukaan prisma} &= (3 \times \text{luas tapak segi empat}) + (2 \times \text{luas segi tiga}) \\
 &= [(1 \times \square \text{ cm} \times 7 \text{ cm}) + (2 \times 5 \text{ cm} \times \square \text{ cm})] + \\
 &\quad 2 \left(\frac{1}{2} \times \square \text{ cm} \times 6 \text{ cm} \right) \\
 &= 42 \text{ cm}^2 + 70 \text{ cm}^2 + 24 \text{ cm}^2 \\
 &= \square \text{ cm}^2
 \end{aligned}$$