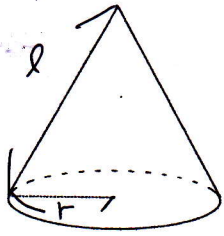


No.1 のプリントの答え (円錐の表面積を求める問題)



$$S = \pi l r + \pi r^2$$

$$\begin{aligned} (1) \quad S &= \pi \times 5 \times 2 + \pi \times 2^2 \\ &= 10\pi + 4\pi \\ &= 14\pi \quad \underline{14\pi \text{ cm}^2} \end{aligned}$$

$$\begin{aligned} (2) \quad S &= \pi \times 10 \times 4 + \pi \times 4^2 \\ &= 40\pi + 16\pi \\ &= 56\pi \quad \underline{56\pi \text{ cm}^2} \end{aligned}$$

$$\begin{aligned} (3) \quad S &= \pi \times 8 \times 3 + \pi \times 3^2 \\ &= 24\pi + 9\pi \\ &= 33\pi \quad \underline{33\pi \text{ cm}^2} \end{aligned}$$

$$\begin{aligned} (4) \quad S &= \pi \times 7 \times 3 + \pi \times 3^2 \\ &= 21\pi + 9\pi \\ &= 30\pi \quad \underline{30\pi \text{ cm}^2} \end{aligned}$$

$$\begin{aligned} (5) \quad S &= \pi \times 6 \times 4 + \pi \times 4^2 \\ &= 24\pi + 16\pi \\ &= 40\pi \quad \underline{40\pi \text{ cm}^2} \end{aligned}$$

$$\begin{aligned} (6) \quad S &= \pi \times 12 \times 3 + \pi \times 3^2 \\ &= 36\pi + 9\pi \\ &= 45\pi \quad \underline{45\pi \text{ cm}^2} \end{aligned}$$

$$\begin{aligned} (7) \quad S &= \pi \times 9 \times 5 + \pi \times 5^2 \\ &= 45\pi + 25\pi \\ &= 70\pi \quad \underline{70\pi \text{ cm}^2} \end{aligned}$$

$$\begin{aligned} (8) \quad S &= \pi \times 8 \times 4 + \pi \times 4^2 \\ &= 32\pi + 16\pi \\ &= 48\pi \quad \underline{48\pi \text{ cm}^2} \end{aligned}$$