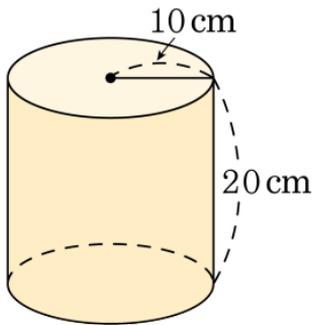


1. 다음 원기둥의 겉넓이는 몇  $\text{cm}^2$ 입니까?



①  $942 \text{ cm}^2$

②  $1256 \text{ cm}^2$

③  $1884 \text{ cm}^2$

④  $2198 \text{ cm}^2$

⑤  $2512 \text{ cm}^2$

해설

$$(\text{한 밑면의 넓이}) = (\text{반지름}) \times (\text{반지름}) \times 3.14$$

$$(\text{옆넓이}) = (\text{지름}) \times 3.14 \times (\text{높이})$$

$$(\text{겉넓이}) = (\text{한 밑면의 넓이}) \times 2 + (\text{옆넓이})$$

$$(\text{한 밑면의 넓이}) = 10 \times 10 \times 3.14 = 314(\text{cm}^2)$$

$$(\text{옆넓이}) = 20 \times 3.14 \times 20 = 1256(\text{cm}^2)$$

$$(\text{겉넓이}) = 314 \times 2 + 1256 = 1884(\text{cm}^2)$$