

1. 다음 직사각형 $\square ABCD$ 와 $\square EFGH$ 에 대하여 $\square ABCD \sim \square EFGH$ 이고, 닮음비가 $1 : 2$ 일때 $\square EFGH$ 의 둘레의 길이의 합을 a 와 b 로 옳게 나타낸 것은?

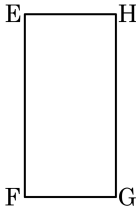
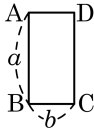
① $2(a + b)$

② $3(a + b)$

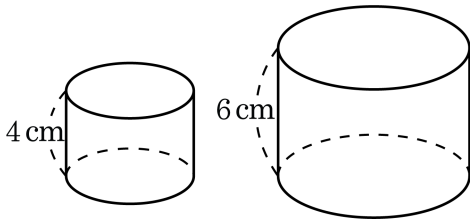
③ $4(a + b)$

④ $5(a + b)$

⑤ $6(a + b)$



2. 다음 그림에서 두 원기둥은 서로 닮은 도형이다. 두 원기둥의 밑면의 지름의 길이의 비를 구하면?



① 1 : 1

② 1 : 2

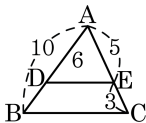
③ 1 : 3

④ 2 : 3

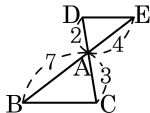
⑤ 1 : 4

3. 다음 중 $\overline{BC} \parallel \overline{DE}$ 인 것은?

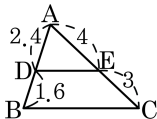
①



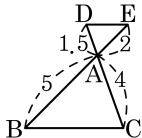
②



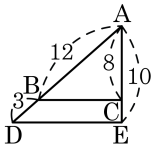
③



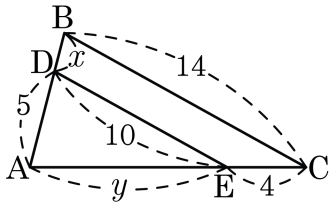
④



⑤



4. 다음 그림에서 $\overline{DE} \parallel \overline{BC}$ 일 때, $x + y$ 의 값은?



① 10

② 12

③ 14

④ 16

⑤ 18