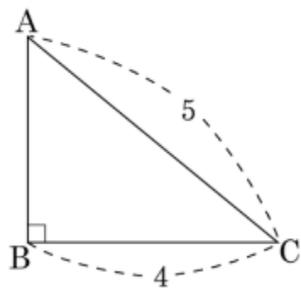


1. 다음 그림과 같은 직각삼각형 ABC 에 대하여 $\sin C$, $\cos C$, $\tan C$ 의 값을 구하여라.



> 답: $\sin C =$ _____

> 답: $\cos C =$ _____

> 답: $\tan C =$ _____

2. 다음 그림에서 $\overline{AC} = 12\text{ cm}$, $\angle B = 60^\circ$ 일 때, 직각삼각형 ABC의 둘레의 길이는?

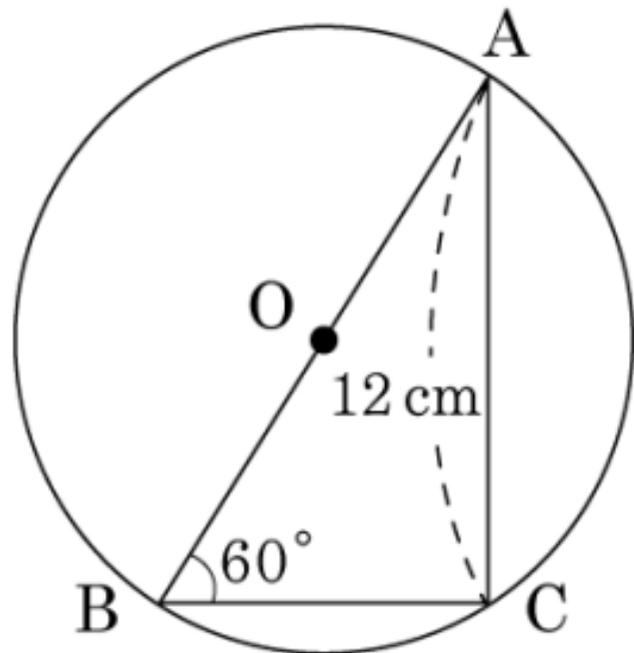
① $12(\sqrt{2} - 1)\text{ cm}$

② $12(\sqrt{2} + 1)\text{ cm}$

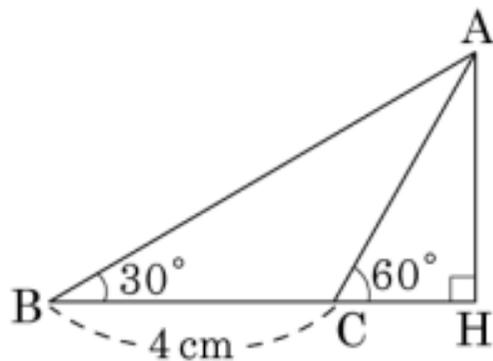
③ $6(\sqrt{3} + 1)\text{ cm}$

④ $12(\sqrt{3} + 1)\text{ cm}$

⑤ $12(\sqrt{3} - 1)\text{ cm}$



3. 다음 그림에서 \overline{AH} 의 길이를 구하면?



① $\sqrt{2}\text{ cm}$

② $\sqrt{3}\text{ cm}$

③ $2\sqrt{3}\text{ cm}$

④ $3\sqrt{3}\text{ cm}$

⑤ $4\sqrt{3}\text{ cm}$

4. 다음과 같은 직각삼각형 ABC 에서 $\overline{BC} : \overline{AB} = 2 : 1$ 일 때, $\tan B + \cos B$ 의 값은?

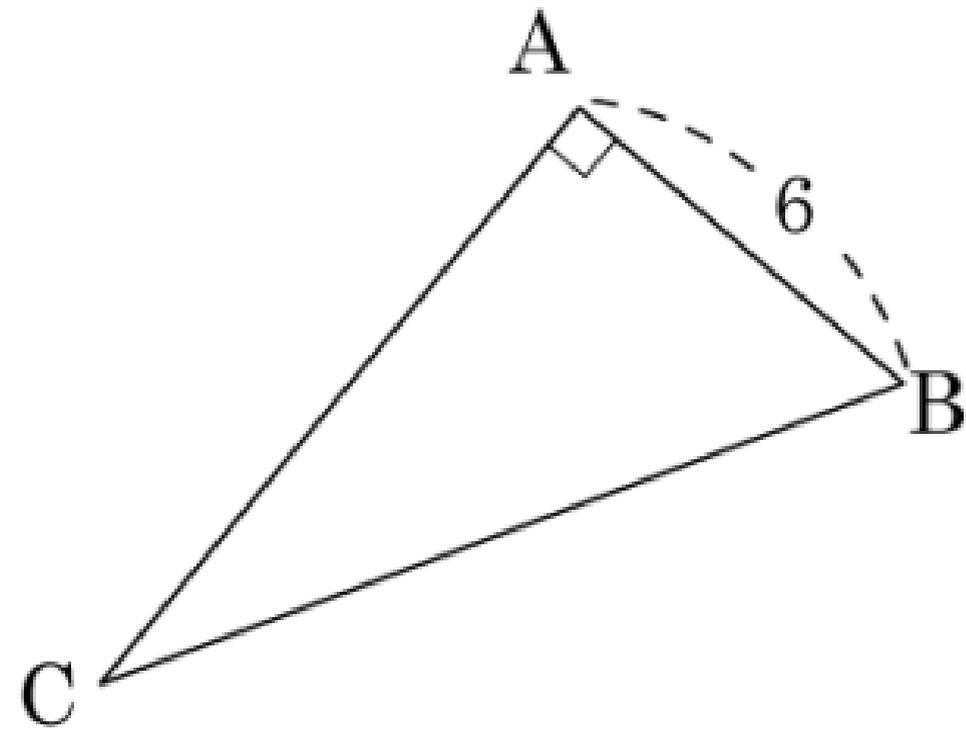
① $\sqrt{2} + \frac{1}{2}$

② $\sqrt{3} + \frac{1}{2}$

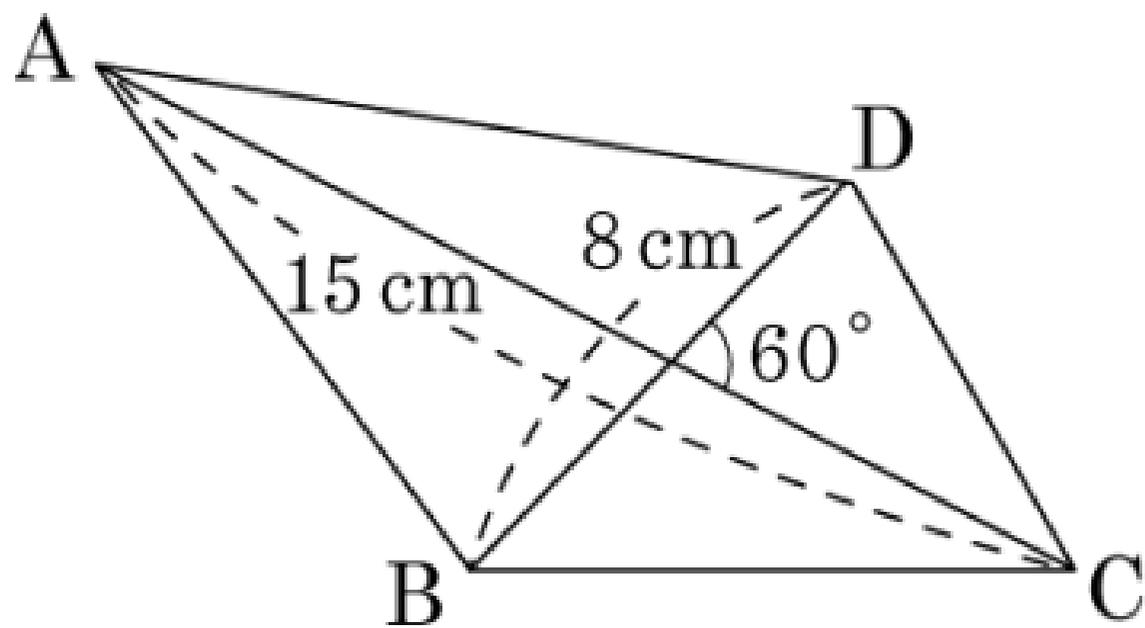
③ $\sqrt{5} + \frac{1}{2}$

④ $\sqrt{7} + \frac{1}{2}$

⑤ $\sqrt{10} + \frac{1}{2}$

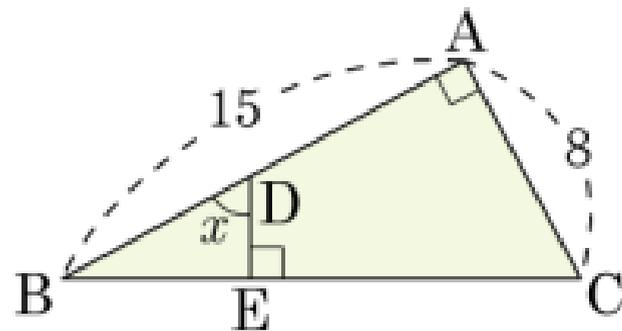


5. 다음 사각형 ABCD 의 넓이를 구하여라.



➤ 답: _____ cm^2

6. 다음 그림의 $\triangle ABC$ 에서 $\sin x$ 의 값은?



① $\frac{7}{17}$

② $\frac{8}{17}$

③ $\frac{8}{15}$

④ $\frac{15}{17}$

⑤ $\frac{15}{8}$