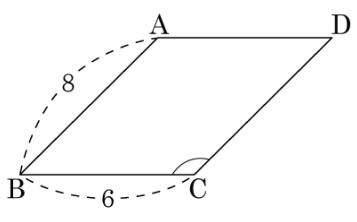
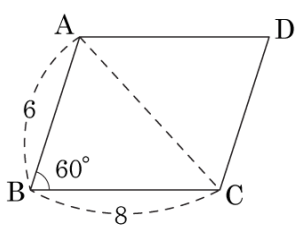
1. 다음 그림의 평행사변형 ABCD의 넓이가 $24\sqrt{2}\,\mathrm{cm}^2$ 일 때, $\angle C$의 크기를 구하여라. (단. $\angle C > 90°$)



답: _____ °

2. 다음 그림과 같은 평행사변형 ABCD 에서 대각선AC 의 길이는?

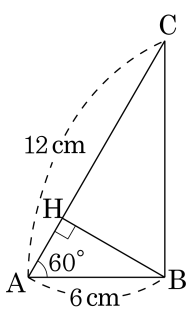


① $3\sqrt{5}$ ② $2\sqrt{7}$

③ $2\sqrt{13}$ ④ $3\sqrt{13}$

⑤ $4\sqrt{13}$

3. 다음은 $\angle A = 60°$, $\overline{AB} = 6\text{cm}$, $\overline{AC} = 12\text{cm}$ 인 $\triangle ABC$ 를 그린 것이다. $\overline{BC}$ 의 길이는?

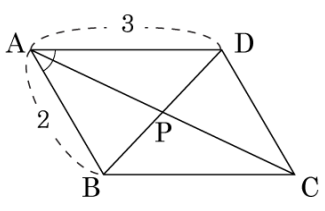


① $\sqrt{21}(\text{cm})$ ② $6\sqrt{3}(\text{cm})$

③ $3\sqrt{3}(\text{cm})$ ④ $4\sqrt{37}(\text{cm})$

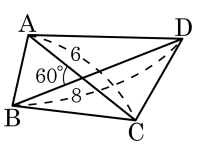
⑤ $5\sqrt{7}(\text{cm})$

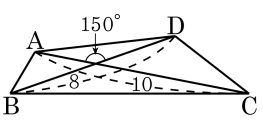
4. 다음 평행사변형 ABCD 에서 점 P 는 두 대각선 AC, BD 의 교점이고 $\angle BAD = 60°$, $\overline{AD} = 3$, $\overline{AB} = 2$ 일 때, $\triangle CPD$ 의 넓이는?



① $\frac{\sqrt{3}}{2}$ ② $2\sqrt{3}$ ③ $\frac{3\sqrt{3}}{4}$ ④ $4\sqrt{3}$ ⑤ $\frac{\sqrt{3}}{4}$

5. 다음 □ABCD의 넓이를 구하여라.

(1) 

(2) 

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