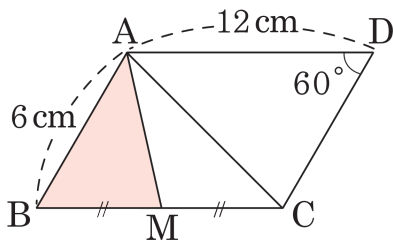


1. 다음 그림과 같은 평행사변형 ABCD 에서 $\overline{BC}$ 의 중점을 M 이라 할 때, $\triangle ABM$ 의 넓이를 구하면?



① $9\sqrt{2}\text{cm}^2$

② $9\sqrt{3}\text{cm}^2$

③ $10\sqrt{2}\text{cm}^2$

④ $10\sqrt{3}\text{cm}^2$

⑤ 10cm^2

해설

$$\square ABCD = 12 \times 6 \times \sin 60^\circ$$

$$= 12 \times 6 \times \frac{\sqrt{3}}{2}$$

$$= 36\sqrt{3} \text{ (cm}^2\text{)}$$

$$\therefore \triangle ABM = \frac{1}{4} \square ABCD$$

$$= \frac{1}{4} \times 36\sqrt{3}$$

$$= 9\sqrt{3} \text{ (cm}^2\text{)}$$

