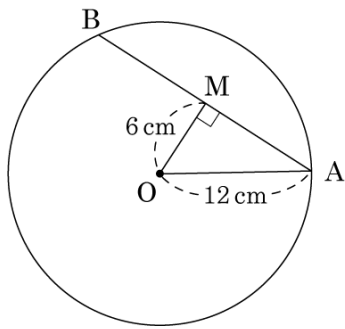


약점 보강 2

1. 다음과 같은 원 O가 있다. $\overline{AB}$ 의 길이는?



[배점 2, 하하]

- ① $9\sqrt{3}(\text{cm})$ ② $10\sqrt{3}(\text{cm})$
③ $10\sqrt{2}(\text{cm})$ ④ $11\sqrt{2}(\text{cm})$
⑤ $12\sqrt{3}(\text{cm})$

해설

$$\begin{aligned}\overline{AM} &= \sqrt{12^2 - 6^2} = \sqrt{144 - 36} = \sqrt{108} = 6\sqrt{3}(\text{cm}) \\ \therefore \overline{AB} &= 2 \times \overline{AM} = 2 \times 6\sqrt{3} = 12\sqrt{3}(\text{cm})\end{aligned}$$