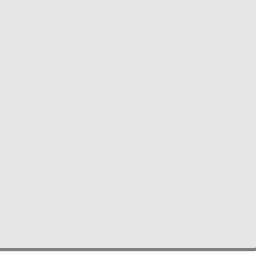


1. 다음 그림에서 $\angle AOD = 4\angle COD$, $\angle BOE = 3\angle DOE$ 일 때, $\angle COE$ 의 크기는?

- ① 30° ② 35° ③ 40°

- ④ 45° ⑤ 50°



해설

$$\begin{aligned}\angle AOC + \angle COD + \angle DOE + \angle EOB \\&= 3\angle COD + \angle COD + \angle DOE + 3\angle DOE \\&= 4\angle COD + 4\angle DOE \\&= 4(\angle COD + \angle DOE) \\&= 4\angle COE = 180^\circ \\&\therefore \angle COE = 45^\circ\end{aligned}$$