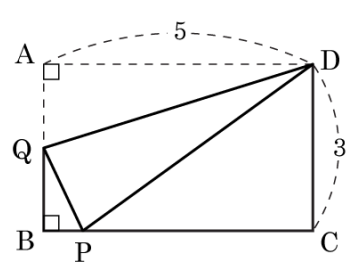


1. 다음 중 옳은 것을 고르면?



- ① $\angle ADQ = \angle PDC$

③ $\overline{DQ} = 5$

⑤ $\overline{PC} = 3$
- ② $\triangle ADQ \equiv \triangle PDQ$

④ $\angle DQP = 90^\circ$

해설

$\overline{AD} = \overline{PD} = 5$
 $\overline{PC} = \sqrt{5^2 - 3^2} = 4$
 $\angle ADQ = \angle PDQ$
 $\overline{QD}$ 는 공통이므로
 $\triangle ADQ \equiv \triangle PDQ$ (SAS 합동) 이다.