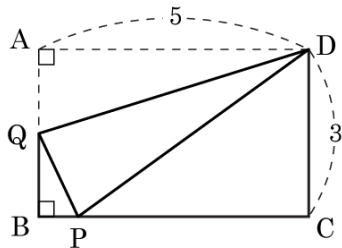


1. 다음 중 옳은 것을 고르면?



① $\angle ADQ = \angle PDC$

② $\triangle ADQ \cong \triangle PDQ$

③ $\overline{DQ} = 5$

④ $\angle DQP = 90^\circ$

⑤ $\overline{PC} = 3$

해설

$$\overline{AD} = \overline{PD} = 5$$

$$\overline{PC} = \sqrt{5^2 - 3^2} = 4$$

$$\angle ADQ = \angle PDQ$$

\overline{QD} 는 공통이므로

$\triangle ADQ \cong \triangle PDQ$ (SAS 합동) 이다.