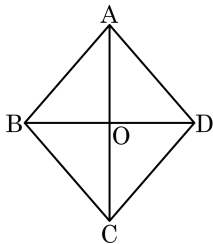


1. 다음 보기 중 그림과 같은 마름모 ABCD 가 정사각형이 되도록 하는 조건의 개수는?

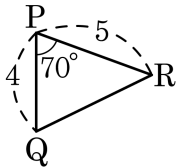
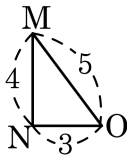
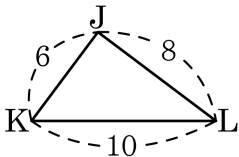
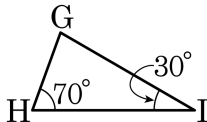
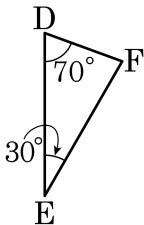
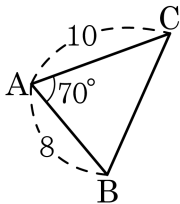
보기

- ㉠ $\overline{AC} \perp \overline{BD}$
- ㉡ $\overline{AO} = \overline{DO}$
- ㉢ $\overline{AB} = \overline{AD}$
- ㉣ $\angle ADC = 90^\circ$
- ㉤ $\angle ABC = \angle BCD$



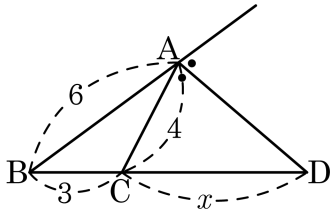
- ① 0 개 ② 1 개 ③ 2 개 ④ 3 개 ⑤ 4 개

2. 다음 삼각형 중 닮음인 도형은 몇 쌍인가?



- ① 없다. ② 1 쌍 ③ 2 쌍 ④ 3 쌍 ⑤ 4 쌍

3. 다음 그림의 $\triangle ABC$ 에서 $\overline{AD}$ 가 $\angle A$ 의 외각의 이등분선일 때, $\overline{CD}$ 의 길이는?



① 6

② 7

③ 8

④ 9

⑤ 10