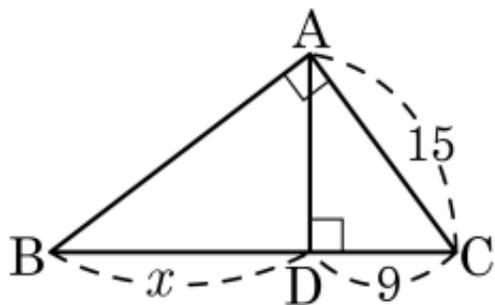
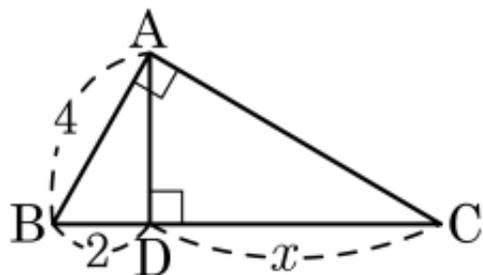


1. 다음 직각삼각형  $\triangle ABC$ 에서  $x$ 의 값을 구하여라.

(1)



(2)

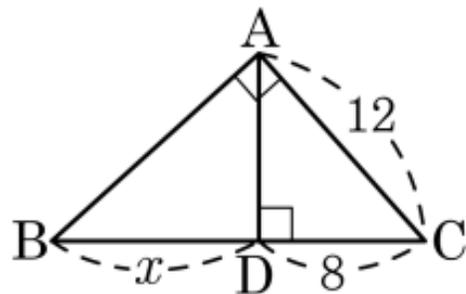


> 답: \_\_\_\_\_

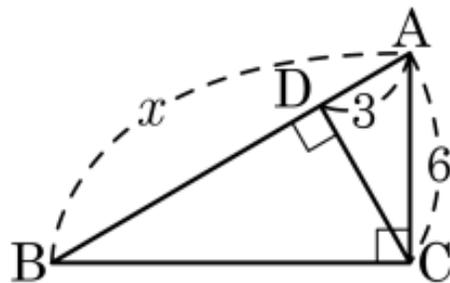
> 답: \_\_\_\_\_

2. 다음 직각삼각형  $\triangle ABC$ 에서  $x$ 의 값을 구하여라.

(1)



(2)

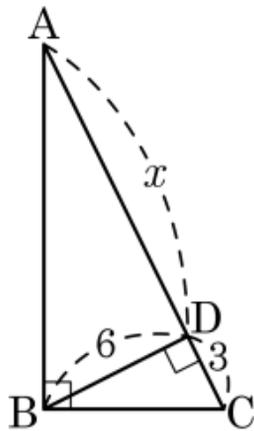


> 답: \_\_\_\_\_

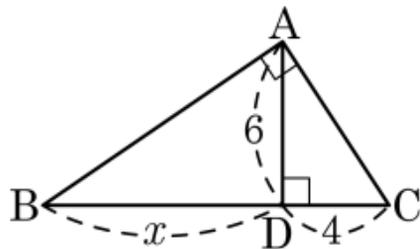
> 답: \_\_\_\_\_

3. 다음 직각삼각형  $\triangle ABC$ 에서  $x$ 의 값을 구하여라.

(1)



(2)

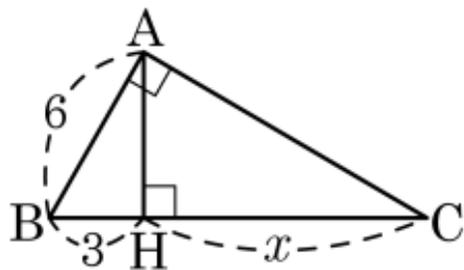


> 답: \_\_\_\_\_

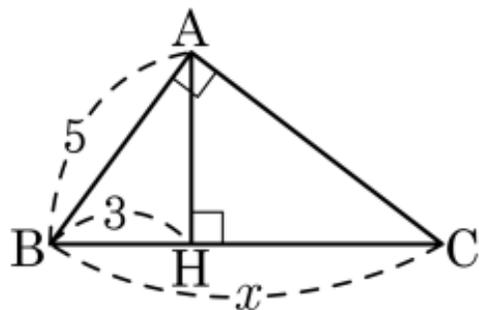
> 답: \_\_\_\_\_

4. 다음 직각삼각형  $\triangle ABC$ 에서  $x$ 의 값을 구하여라.

(1)



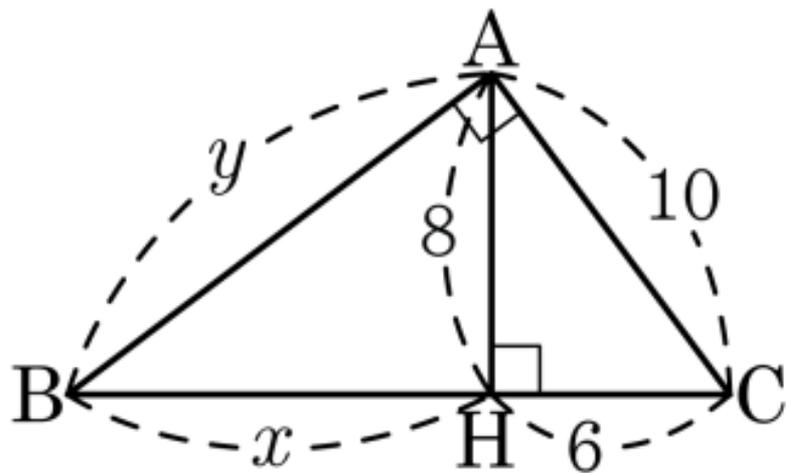
(2)



> 답: \_\_\_\_\_

> 답: \_\_\_\_\_

5. 다음 그림과 같은 직각삼각형 ABC 에서  $x + y$  의 값을 구하면?



①  $\frac{68}{3}$

②  $\frac{70}{3}$

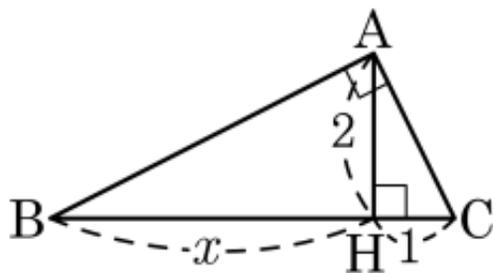
③ 24

④  $\frac{74}{3}$

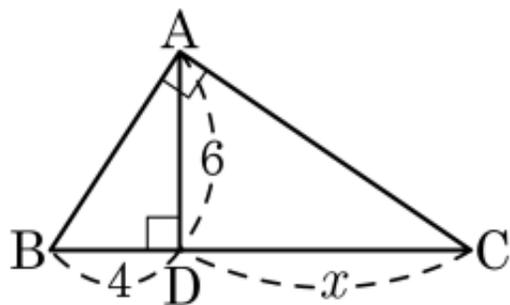
⑤ 25

6. 다음 직각삼각형  $\triangle ABC$ 에서  $x$ 의 값을 구하여라.

(1)



(2)

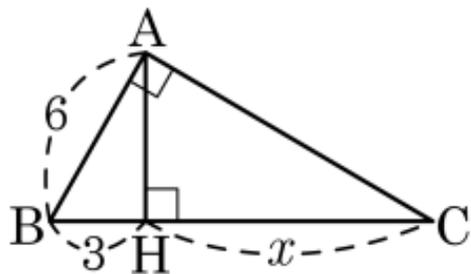


> 답: \_\_\_\_\_

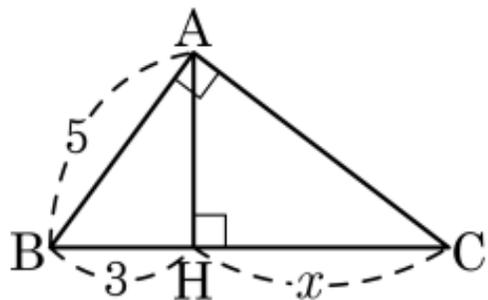
> 답: \_\_\_\_\_

7. 다음 직각삼각형  $\triangle ABC$ 에서  $x$ 의 값을 구하여라.

(1)



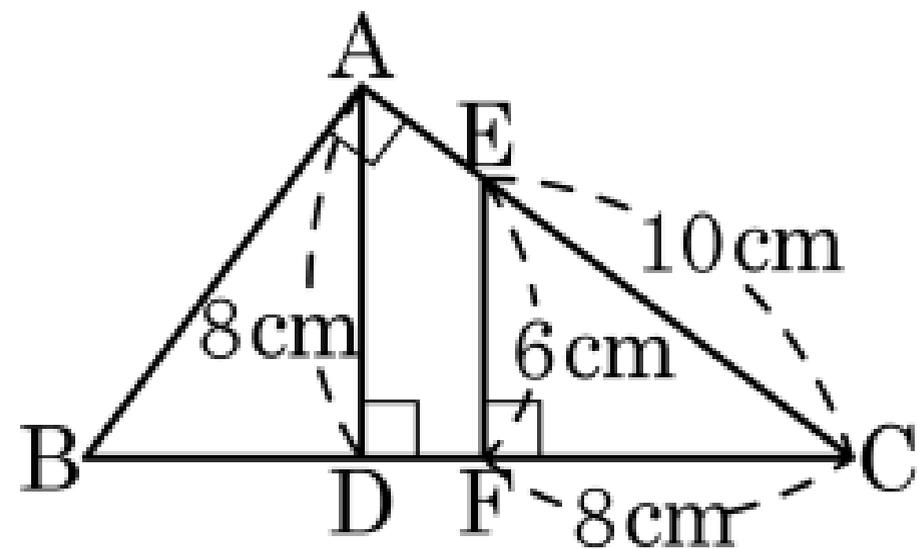
(2)



> 답: \_\_\_\_\_

> 답: \_\_\_\_\_

8. 다음 그림의 직각삼각형  $ABC$  에서  $\overline{BC}$  의 길이를 구하여라.



답:

\_\_\_\_\_ cm

9. 다음 그림에서 옳은 것은 무엇인가?

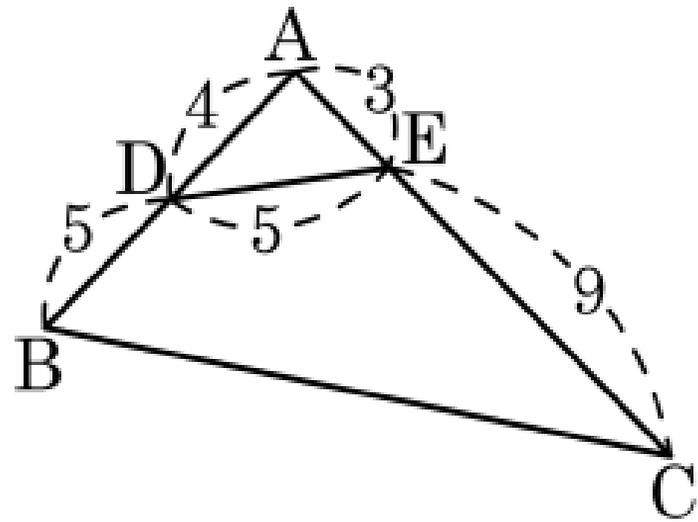
①  $\triangle ABC \sim \triangle AED$  (SSS답음)

②  $\overline{AB} : \overline{AE} = \overline{BC} : \overline{ED}$

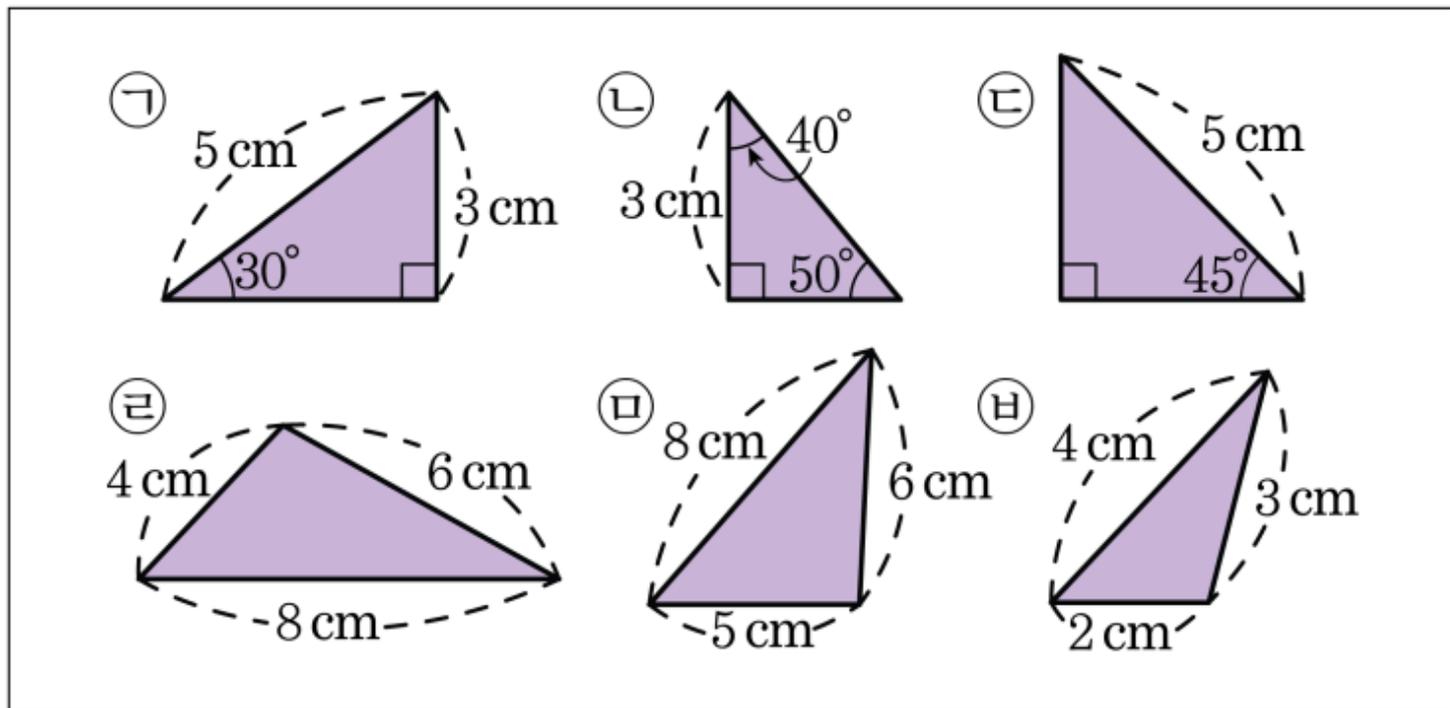
③  $\overline{BC} = 10 \text{ cm}$

④  $\angle AED$  의 대응각은  $\angle ACB$

⑤  $\overline{AE}$  의 대응변은  $\overline{AC}$



10. 다음 도형 중 SSS 닮음인 도형끼리 나열한 것은?



① ㉠, ㉡

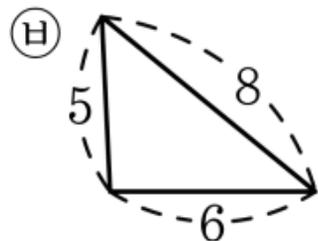
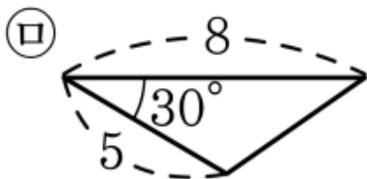
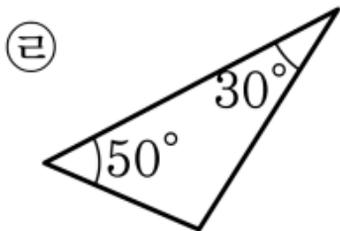
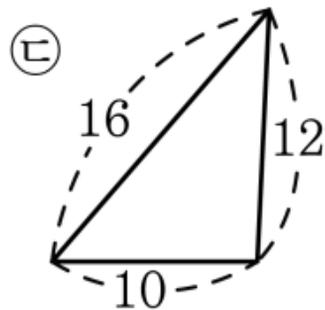
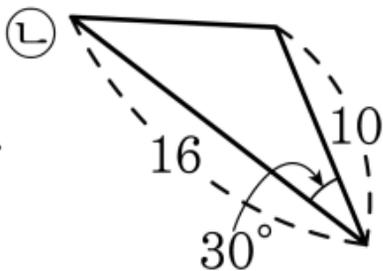
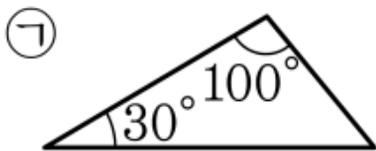
② ㉠, ㉢

③ ㉡, ㉢

④ ㉣, ㉤

⑤ ㉣, ㉥

11. 다음 삼각형 중에서 닮은 도형끼리 짝지은 것은?



① ㉠과 ㉡

② ㉡과 ㉣

③ ㉢과 ㉤

④ ㉣과 ㉤

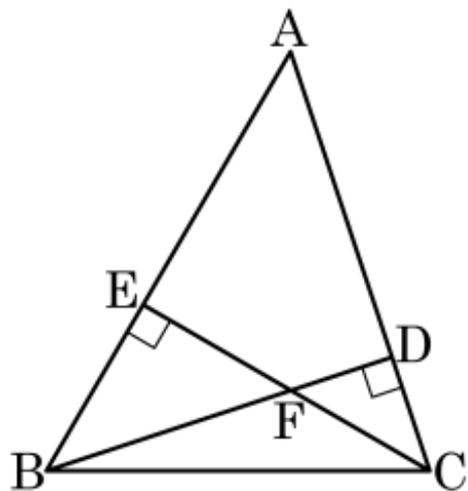
⑤ ㉤과 ㉥

12. 다음 그림에 대한 설명으로 옳은 것을 모두 골라라.

㉠  $\angle A = \angle BCF$

㉡  $\overline{AB} : \overline{AC} = \overline{BD} : \overline{CE}$

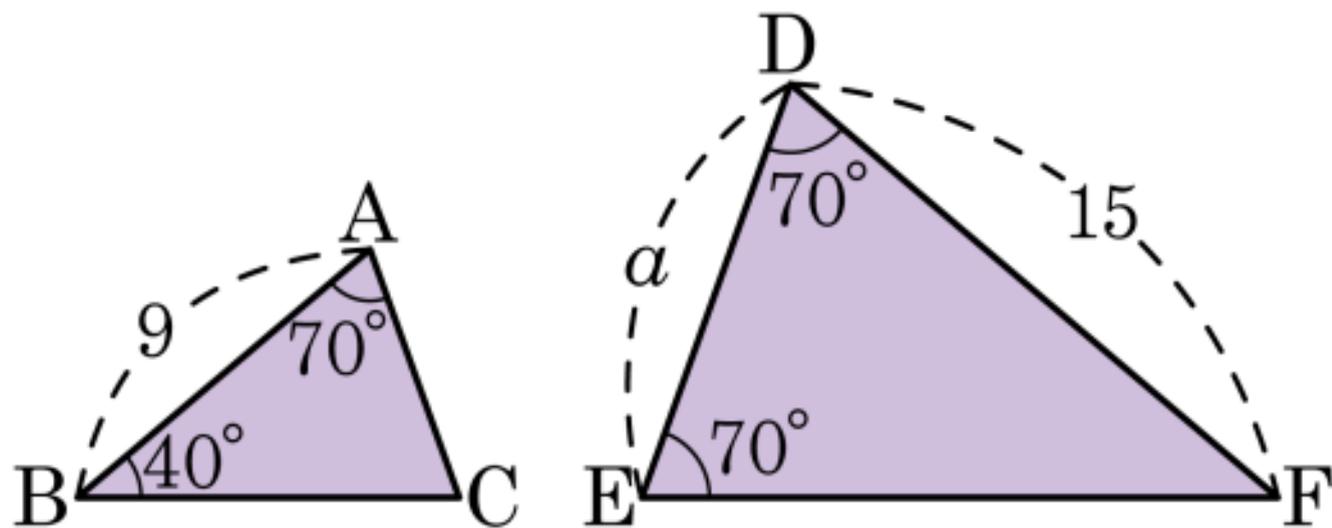
㉢  $\angle A = \angle BFE$



> 답: \_\_\_\_\_

> 답: \_\_\_\_\_

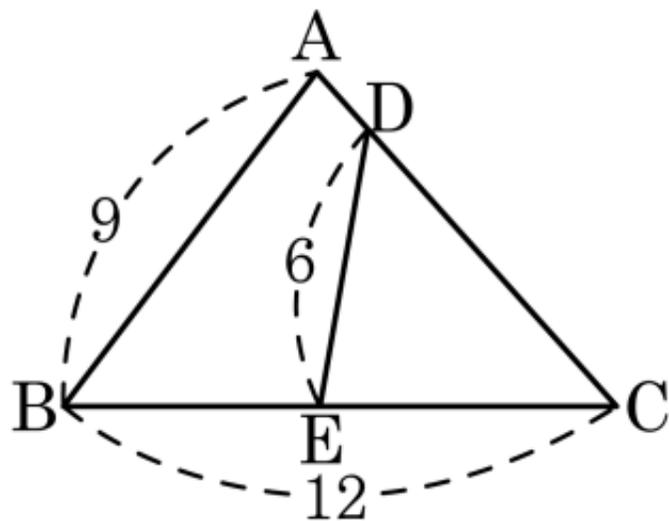
13. 다음 두 삼각형을 보고  $\overline{AC}$  의 길이를  $a$  를 사용하여 나타내어라.



답:

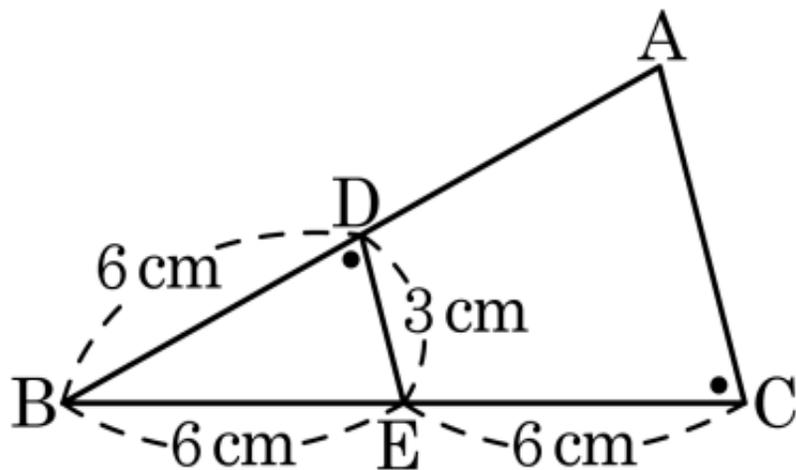
\_\_\_\_\_

14. 다음 그림에서  $\angle A = \angle DEC$ ,  $\overline{AB} = 9$ ,  $\overline{BC} = 12$ ,  $\overline{DE} = 6$  일 때,  $\overline{DC}$ 의 값을 구하면?



- ① 4                      ② 5                      ③ 6                      ④ 7                      ⑤ 8

15. 다음 그림에서  $\angle BDE = \angle BCA$  일 때,  $\overline{AC}$ 의 길이를 구하면?



① 6cm

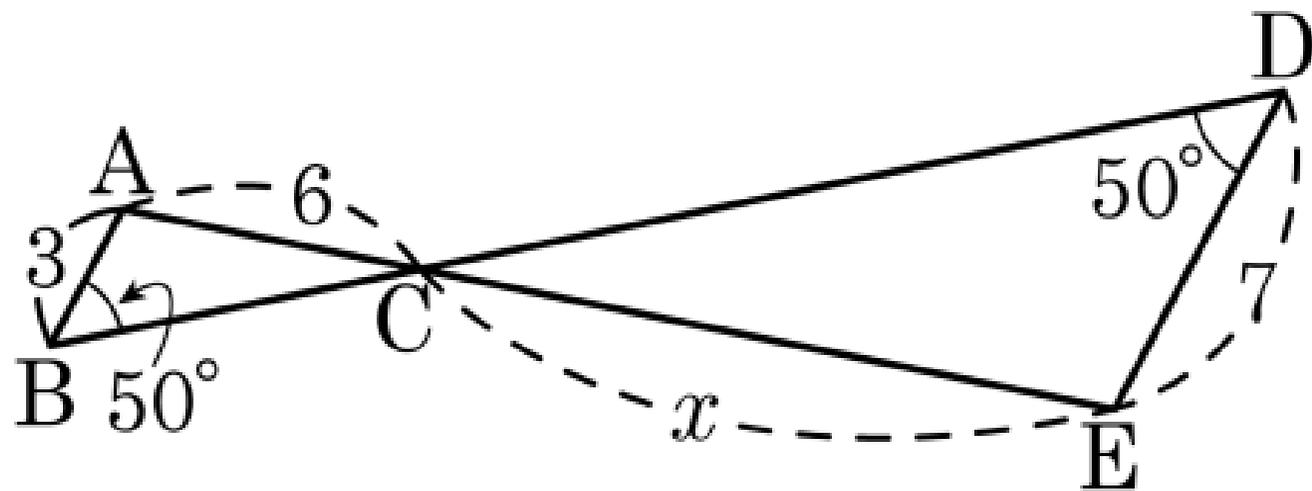
② 6.2cm

③ 7.2cm

④ 8cm

⑤ 9cm

16. 다음 그림에서  $x$ 의 값을 구하여라.



답: \_\_\_\_\_