

# 三角形の角 2

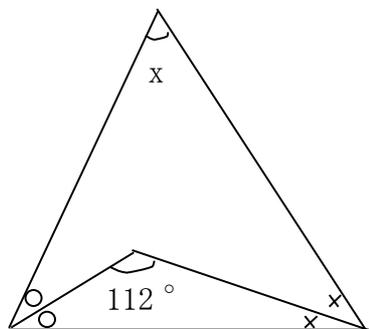
NO 2

名前	
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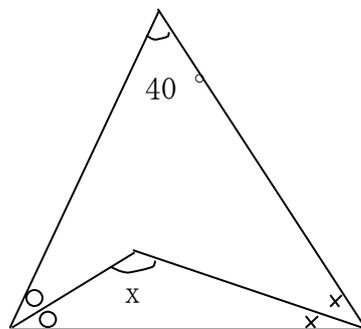
     / 5 点

1 次の図で  $\angle x$  をもとめなさい。 (  $\circ$ 、 $\times$  は同じ大きさの角度 )

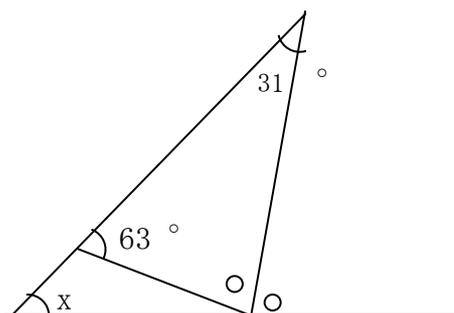
①



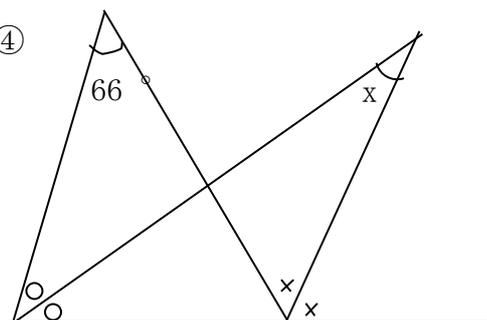
②



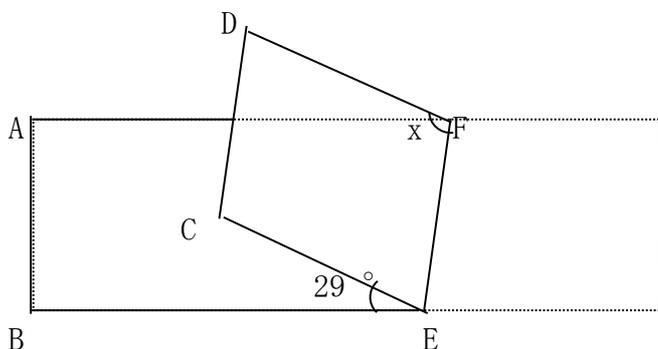
③



④



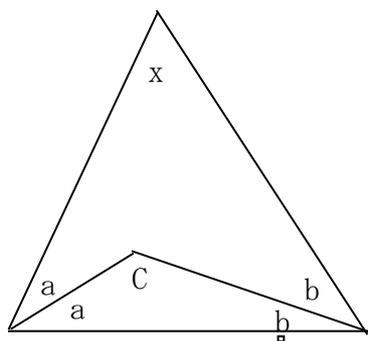
⑤



長方形ABCDを線分EFを折り目として折り返した。

解答

①



$$a+b+C= 180^\circ$$

$$2a+2b+x= 180^\circ$$

$$a+b = 180 - 112 = 68$$

$$x = 180 - 2(a+b)$$

$$= 180 - 136 = \underline{44^\circ}$$

② ①より  $2(a+b) = 180 - 40 = 140$

$$a+b = 70$$

$$x = 180 - 70 = \underline{110^\circ}$$

③  $180 - (63 + 31) = 86 \leftarrow \bigcirc$

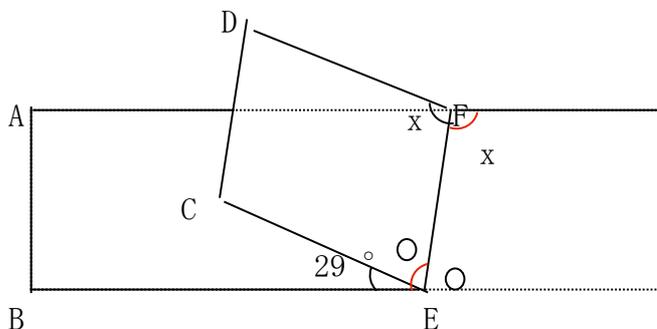
$$x = 86 - 31 = \underline{55^\circ}$$

④  $x + \bigcirc = \times$

$$2 \times = 66 + 2 \bigcirc$$

$$\times = 33 + \bigcirc \quad \underline{x = 33^\circ}$$

⑤



$$x = 29 + \bigcirc \quad \bigcirc = (180 - 29) \div 2 = 75.5$$

$$x = 29 + 75.5 = 105^\circ$$