

# 多角形の角度 2

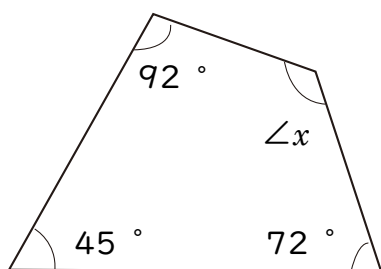
NO.1

学習日；

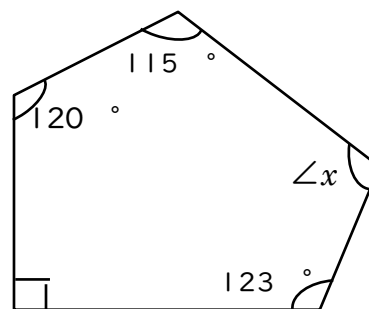
/ 点

1 次の図で  $\angle x$  の大きさを求めなさい。

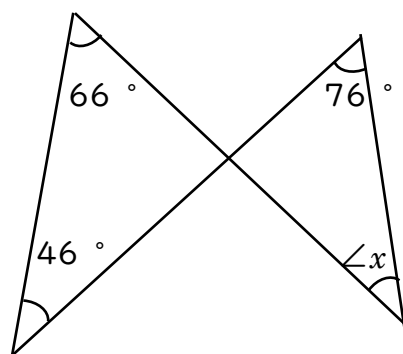
①



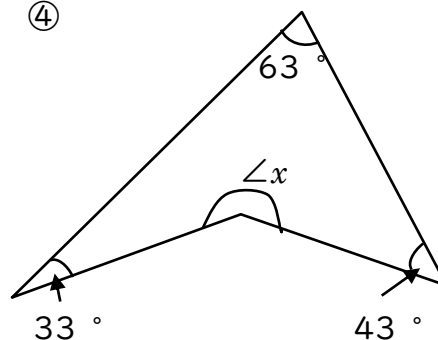

②



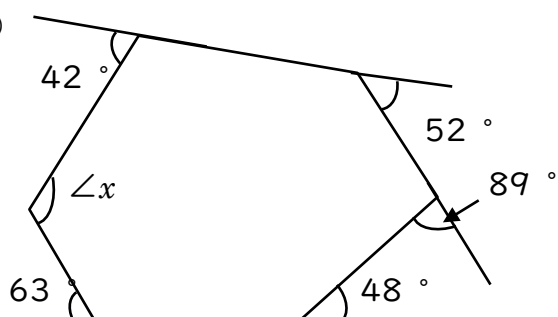

③



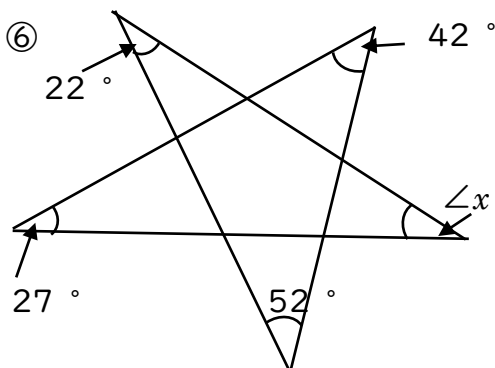

④




⑤




⑥



# 解答

①  $360 - ( 92 + 45 + 72 ) = \underline{151}^{\circ}$

② 五角形の内角の和は

$$180 \times ( 5 - 2 ) = 540^{\circ}$$

$$540 - ( 120 + 115 + 123 + 90 ) = \underline{92}^{\circ}$$

③  $66 + 46 = 112 \leftarrow$  外角

$$112 - 76 = \underline{36}^{\circ}$$

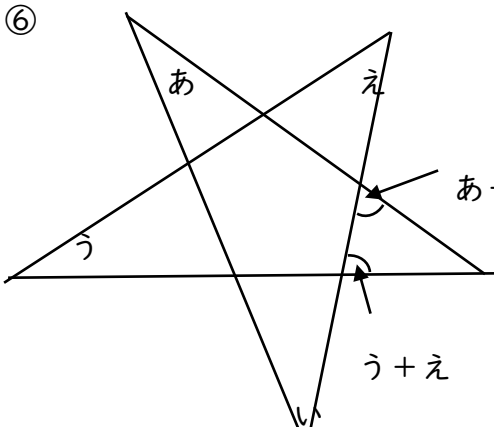
④  $360 - ( 63 + 33 + 43 ) = \underline{221}^{\circ}$

⑤ 外角の和は  $360^{\circ}$

$$360 - ( 48 + 89 + 52 + 42 + 63 ) = 66$$

$$180 - 66 = \underline{114}^{\circ}$$

⑥



図より

$$22 + 52 = 74 \leftarrow \text{あ+い}$$

$$27 + 42 = 69 \leftarrow \text{う+え}$$

$$180 - ( 74 + 69 ) = \underline{37}^{\circ}$$