

多角形の角度 2

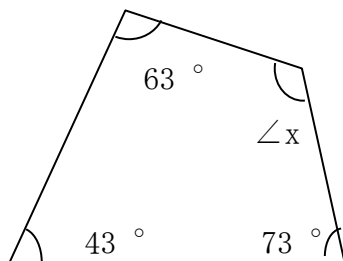
NO. 1

名前

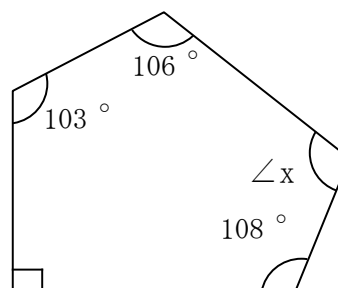
/6 点

1 次の図で $\angle x$ の大きさを求めなさい。

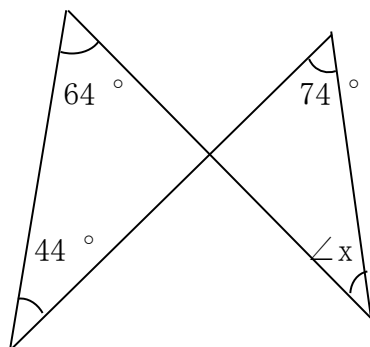
①



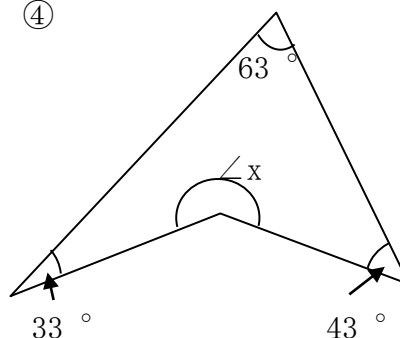
②



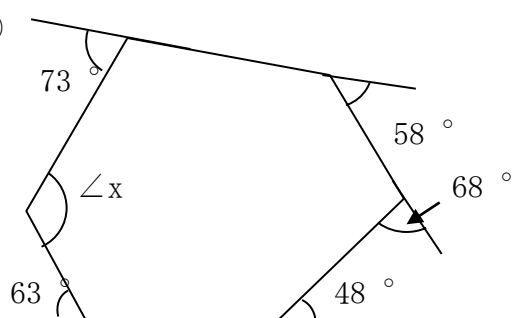
③



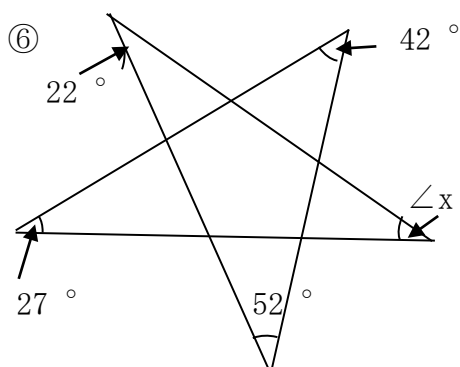
④



⑤



⑥



解答

① $360 - (63 + 43 + 73) = \underline{181}^{\circ}$

② 五角形の内角の和は

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

$$540 - (103 + 106 + 108 + 90) = \underline{133}^{\circ}$$

③ $64 + 44 = 108 \leftarrow$ 外角

$$108 - 74 = \underline{34}^{\circ}$$

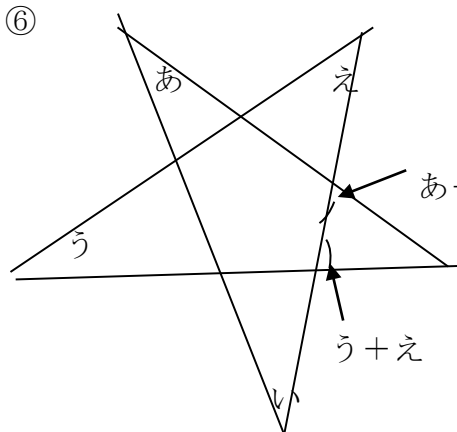
④ $360 - (63 + 33 + 43) = \underline{221}^{\circ}$

⑤ 外角の和は 360°

$$360 - (48 + 68 + 58 + 73 + 63) = 50$$

$$180 - 50 = \underline{130}^{\circ}$$

⑥



図より

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

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

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