

中2~第34回角の二等分線がつくる角~

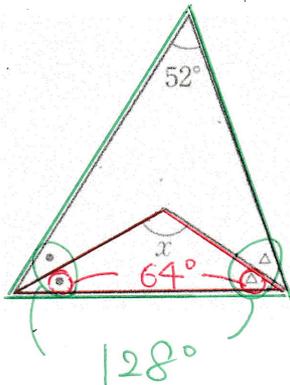
氏名：

解答・解説

例題 次の図で、同じ印をつけた角はそれぞれ等しいです。

$\angle x$ は何度ですか。

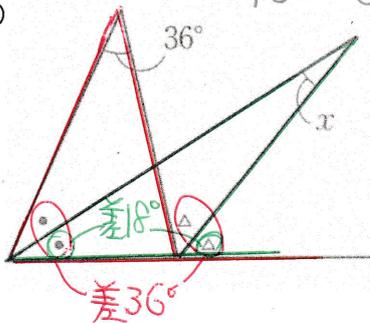
(1)



$$\begin{aligned} \bullet + \triangle &= 128^\circ \\ \bullet + \triangle &= 64^\circ \end{aligned} \Bigg) \div 2$$

だから $x = 180 - 64 = \underline{116^\circ}$

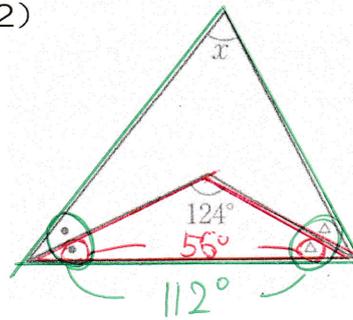
(3)



$$\begin{aligned} \triangle - \bullet &= 36^\circ \\ \triangle - \bullet &= 18^\circ \end{aligned} \Bigg) \div 2$$

だから $x = \underline{18^\circ}$

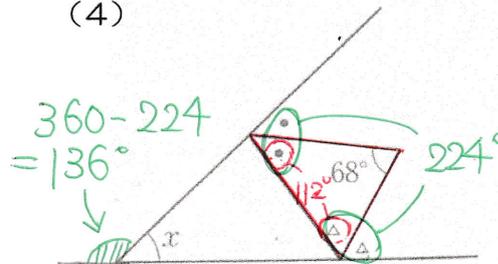
(2)



$$\begin{aligned} \bullet + \triangle &= 56^\circ \\ \bullet + \triangle &= 112^\circ \end{aligned} \Bigg) \times 2$$

だから $x = 180 - 112 = \underline{68^\circ}$

(4)



$$360 - 224 = 136^\circ$$

$$\begin{aligned} \bullet + \triangle &= 112^\circ \\ \bullet + \triangle &= 224^\circ \end{aligned} \Bigg) \times 2$$

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