

中2～第34回角の二等分線がつくる角～

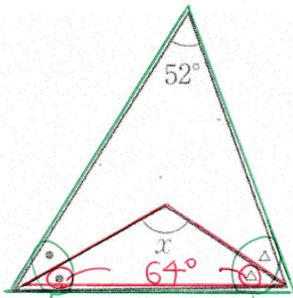
氏名：

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。

∠xは何度ですか。

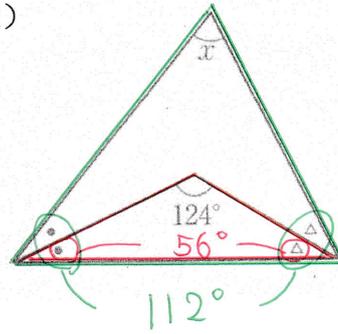
(1)



128°
 $\bullet + \triangle = 128^\circ$
 $\bullet + \triangle = 64^\circ$

$\left. \begin{array}{l} \bullet + \triangle = 128^\circ \\ \bullet + \triangle = 64^\circ \end{array} \right\} \div 2$
 x は $180 - 64 = 116^\circ$

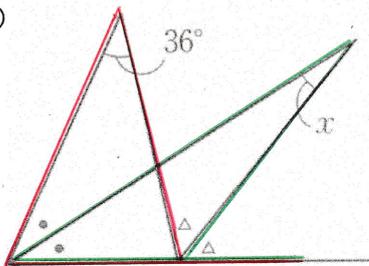
(2)



$\bullet + \triangle = 56^\circ$
 $\bullet + \triangle = 112^\circ$

$\left. \begin{array}{l} \bullet + \triangle = 56^\circ \\ \bullet + \triangle = 112^\circ \end{array} \right\} \times 2$
 x は $180 - 112 = 68^\circ$

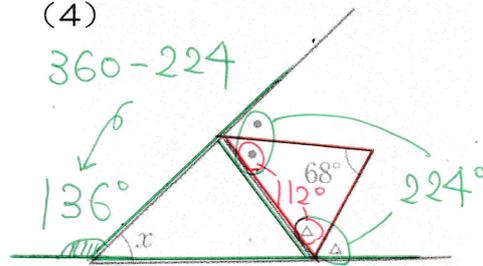
(3)



$\bullet + 36^\circ = \triangle$
 $\bullet + 18^\circ = \triangle$
 $\bullet + x = \triangle$

$\left. \begin{array}{l} \bullet + 36^\circ = \triangle \\ \bullet + 18^\circ = \triangle \end{array} \right\} \div 2$
 x は 18°

(4)



$360 - 224$
 136°
 $\bullet + \triangle = 112^\circ$
 $\bullet + \triangle = 224^\circ$

$\left. \begin{array}{l} \bullet + \triangle = 112^\circ \\ \bullet + \triangle = 224^\circ \end{array} \right\} \times 2$
 x は $180 - 136 = 44^\circ$