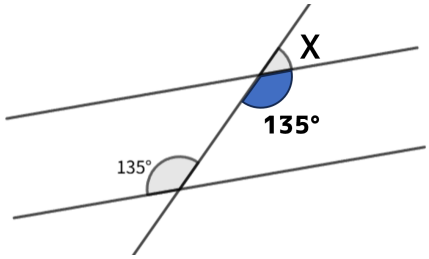
問題番号 08M04_K1L1_2 レベル ☆★★	中２ 第４章 平行と合同 ①～②練習問題 Level-1-2　解答	うんな進学塾HP

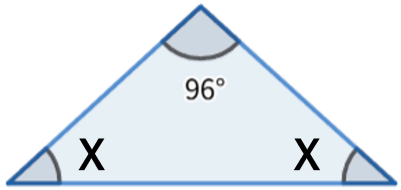
1.　以下の図の$\angle X$の値を求めなさい。直線lと直線mは平行とする。

(1)



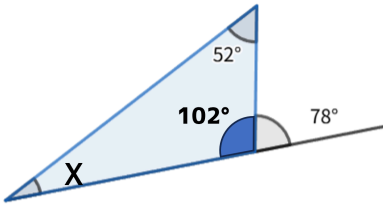
$\angle X$と隣り合う角の錯角が135°
$\angle X = 180° - 135° = 45°$

(2)



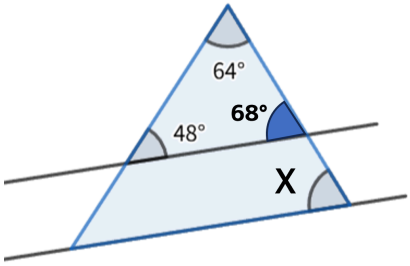
$\angle X + \angle X + 96° = 180°$
$2\angle X = 84°$　　$\angle X = 42°$

(3)



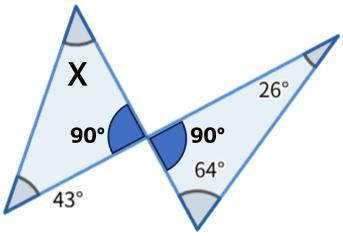
$\angle X = 180° - (52° + 102°) = 26°$

(4)



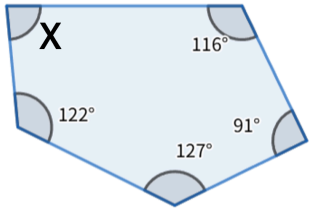
$\angle X$は同位角の68°と同じ

(5)



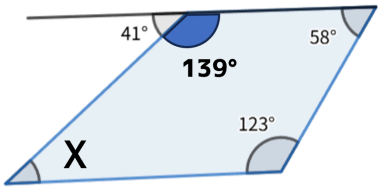
$\angle X = 180° - (90 + 43) = 47°$

(6)



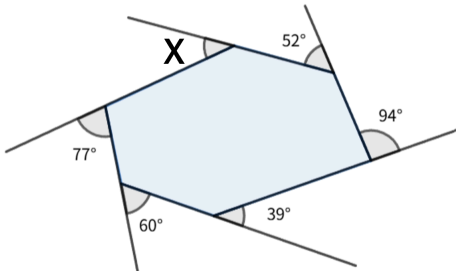
$\angle X = 540°$
$\quad - (116° + 91° + 127° + 122°)$
$\quad = 84°$

(7)



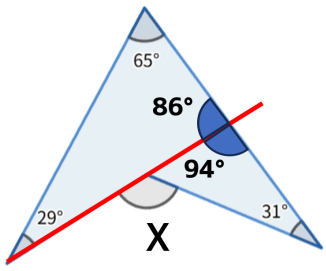
$\angle X = 360° - (139° + 58° + 123°)$
$\quad = 40°$

(8)



$\angle X = 360°$
$\quad -(77° + 60° + 39° + 94° + 52°)$
$\quad = 38°$

(9)



補助線を引き、86°と94°の角度を作る。$\angle X$は三角形の外角なので$\angle X = 31° + 94° = 125°$

(1) $\angle X = 45°$	(2) $\angle X = 45°$	(3) $\angle X = 26°$
(4) $\angle X = 68°$	(5) $\angle X = 47°$	(6) $\angle X = 84°$
(7) $\angle X = 40°$	(8) $\angle X = 38°$	(9) $\angle X = 125°$