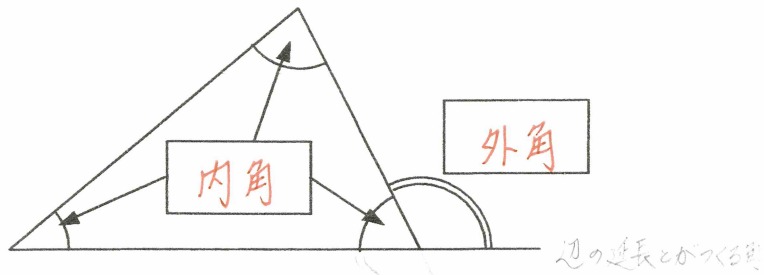
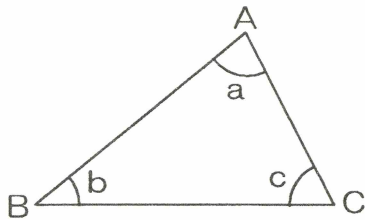


2.多角形の角

(1)三角形の内角と外角



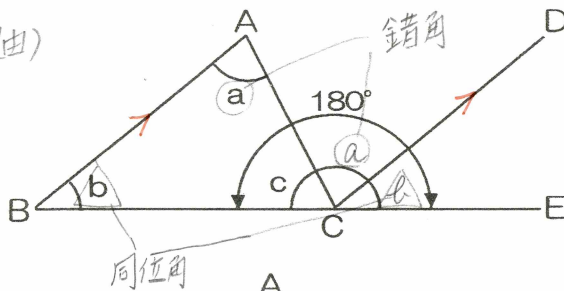
①



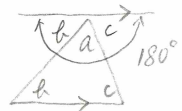
$$\angle a + \angle b + \angle c = 180^\circ$$

(内角の和)

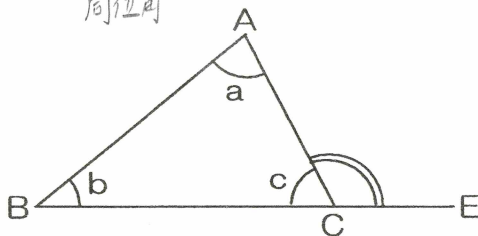
(理由)



AB//DCを引く



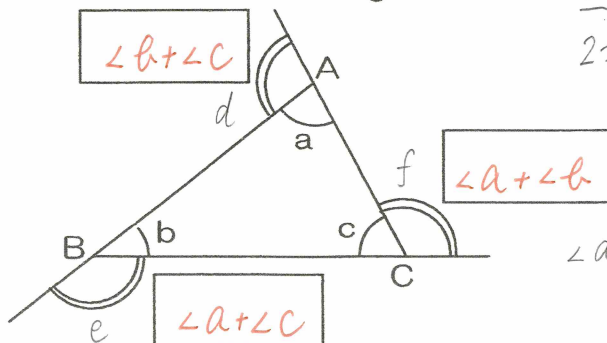
②



$$\angle ACE = \angle a + \angle b$$

(外角)

三角形の外角は、これと隣り合わない2つの内角の和に等しい。



$$\begin{aligned} \angle d + \angle e + \angle f &= 2(\angle a + \angle b + \angle c) \\ &= 2 \times 180 \\ &= 360^\circ \end{aligned}$$

三角形の外角の和は 360°