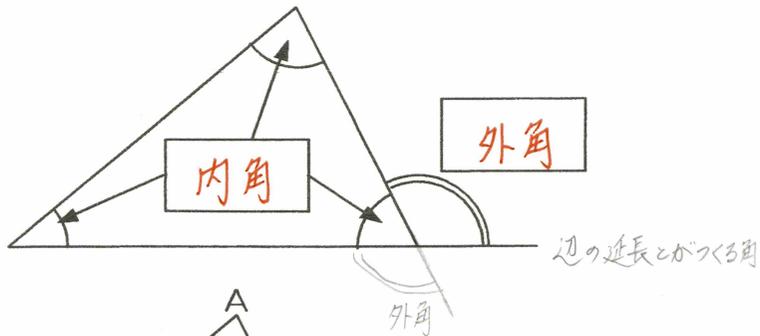
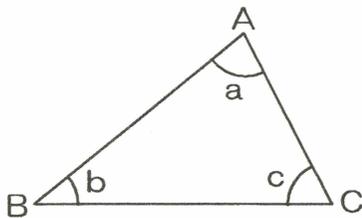


2.多角形の角

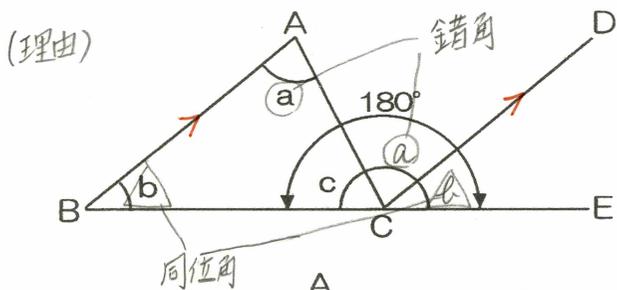
(1)三角形の内角と外角



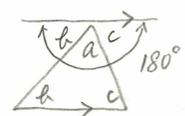
①



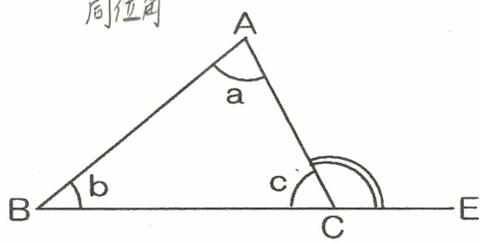
$\angle a + \angle b + \angle c = 180^\circ$   
(内角の和)



AB//DCを引く

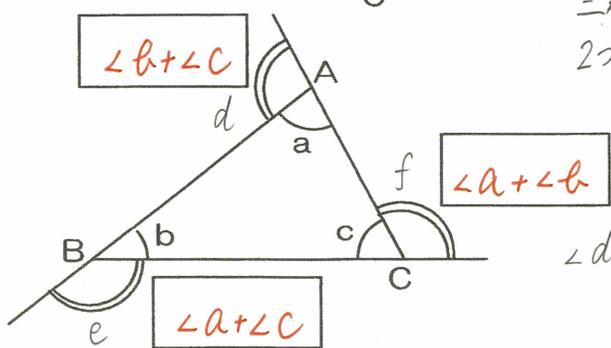


②



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



$\angle d + \angle e + \angle f = 2(\angle a + \angle b + \angle c)$   
 $= 2 \times 180$   
 $= 360^\circ$

三角形の外角の和は  $360^\circ$