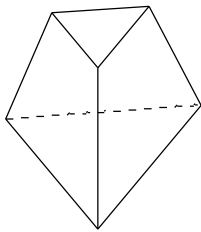


1. 次の多面体について、 $v - e + f$ を求めよ。  
Find  $v - e + f$  for the following polyhedrons.

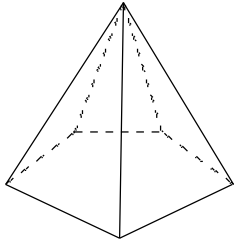
例題



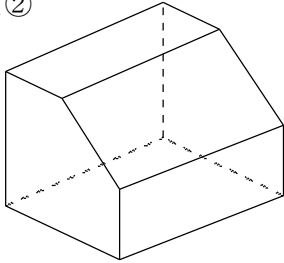
$v$	頂点	vertex	6
$e$	辺	edge	9
$f$	面	face	5

$v - e + f = 6 - 9 + 5 = 2$

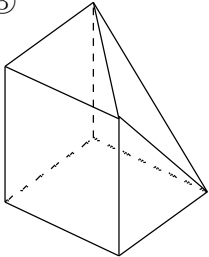
問題①



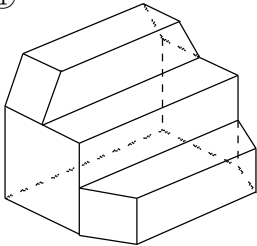
問題②



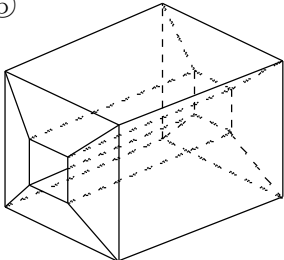
問題③



問題④

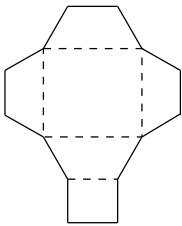


問題⑤



2. 次の展開図を組み立てた立体の  $v - e + f$  を求めよ。  
Find  $v - e + f$  of the solid constructed from the following developed diagram.

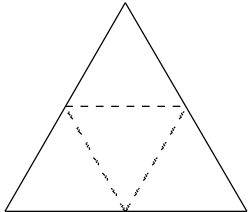
例題



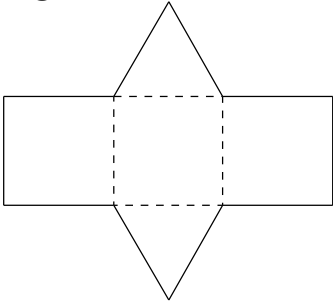
$v$	頂点	vertex	8
$e$	辺	edge	12
$f$	面	face	6

$v - e + f = 8 - 12 + 6 = 2$

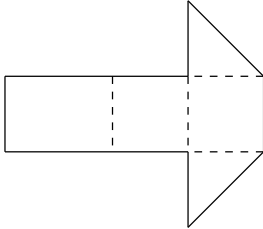
問題①



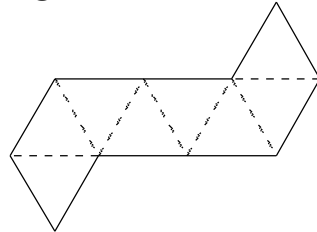
問題②



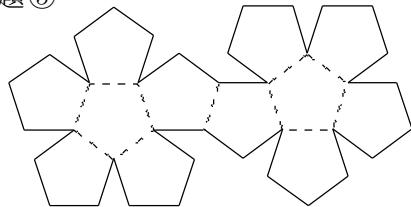
問題③



問題④

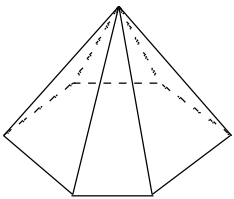


問題⑤



1. 次の多面体について、 $v - e + f$ を求めよ。  
Find  $v - e + f$  for the following polyhedrons.

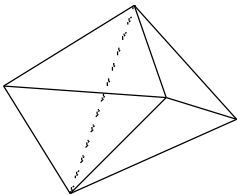
例題



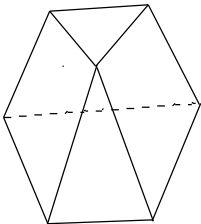
$v$	頂点 vertex	7
$e$	辺 edge	11
$f$	面 face	6

$v - e + f = 7 - 11 + 6 = 2$

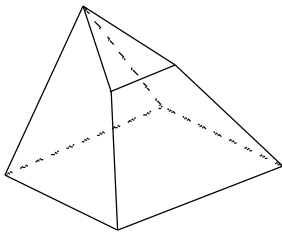
問題①



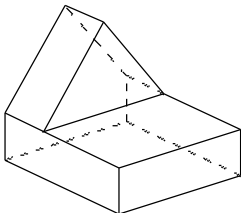
問題②



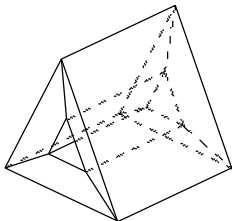
問題③



問題④

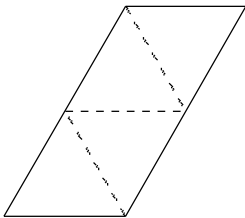


問題⑤



2. 次の展開図を組み立てた立体の  $v - e + f$ を求めよ。  
Find  $v - e + f$  of the solid constructed from the following developed diagram.

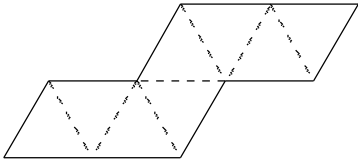
例題



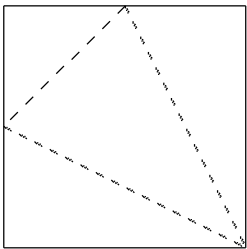
$v$	頂点 vertex	4
$e$	辺 edge	6
$f$	面 face	4

$v - e + f = 4 - 6 + 4 = 2$

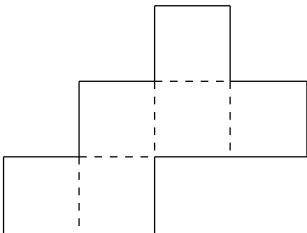
問題①



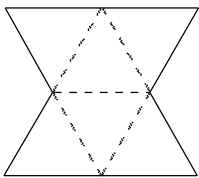
問題②



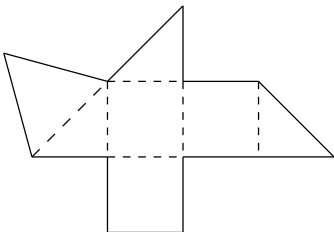
問題③



問題④

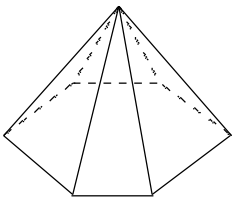


問題⑤



1. 次の立体について、 $v - e + f$ を求めよ。  
Find  $v - e + f$  for the following solid.

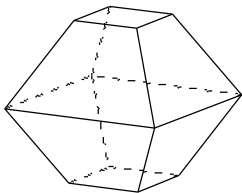
例題



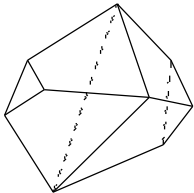
$v$	頂点	vertex	7
$e$	辺	edge	11
$f$	面	face	6

$v - e + f = 7 - 11 + 6 = 2$

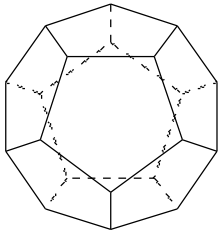
問題①



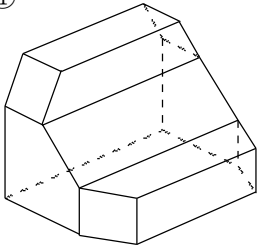
問題②



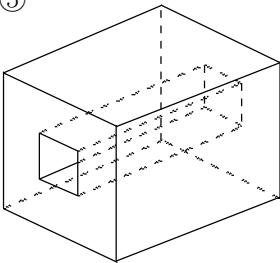
問題③



問題④

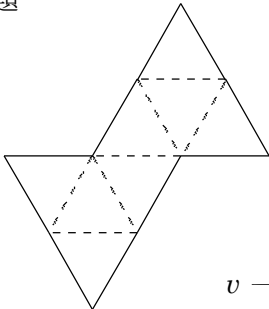


問題⑤



2. 次の展開図を組み立てた立体の  $v - e + f$  を求めよ。  
Find  $v - e + f$  of the solid constructed from the following developed diagram.

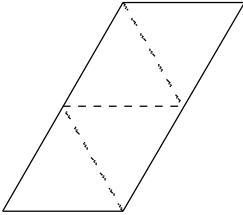
例題



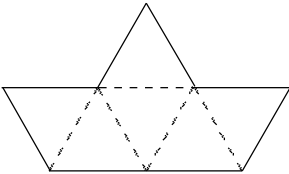
$v$	頂点	vertex	6
$e$	辺	edge	12
$f$	面	face	8

$v - e + f = 6 - 12 + 8 = 2$

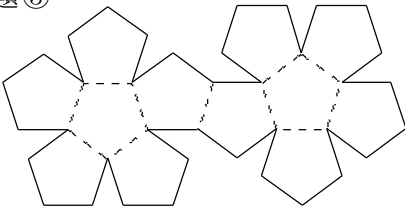
問題①



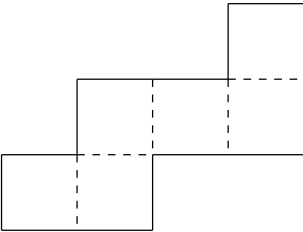
問題②



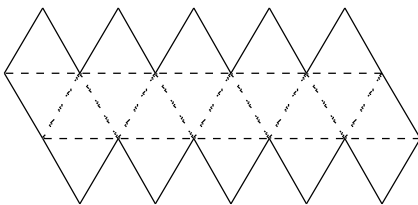
問題③



問題④

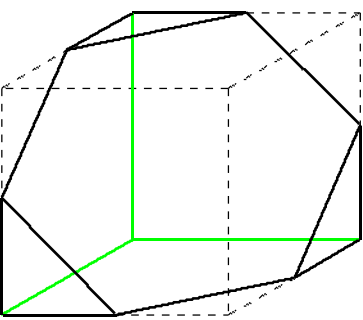


問題⑤



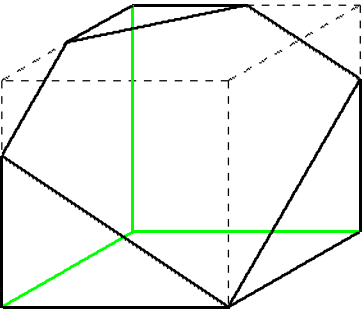
1. 次の立体は、立方体を切断したものである。  
 $v - e + f$ を求めよ。  
The following solid is a cube cut out. Find  $v - e + f$ .

例題

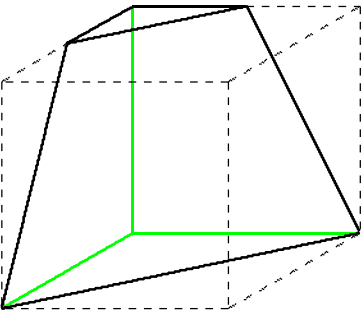


$v$  頂点 vertex 10  
 $e$  辺 edge 15  
 $f$  面 face 7  
 $v - e + f$   
 $= 10 - 15 + 7 = 2$

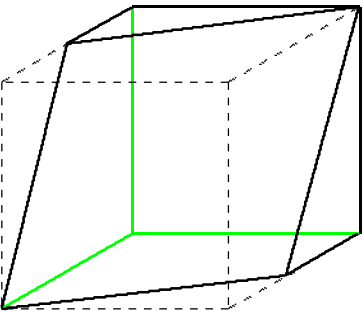
問題①



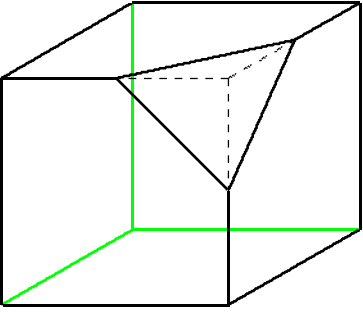
問題②



問題③

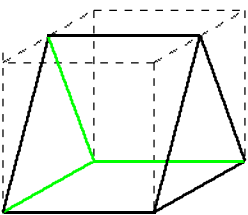
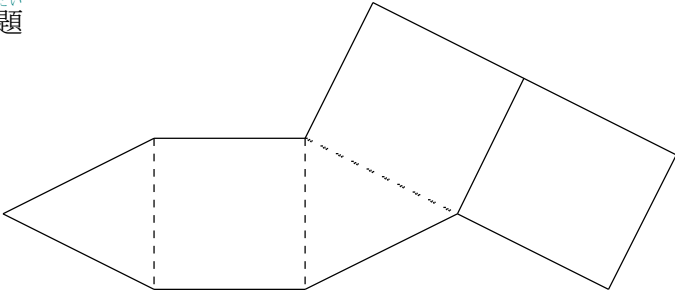


問題④



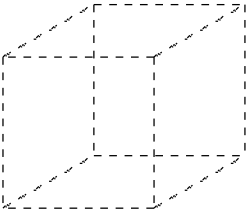
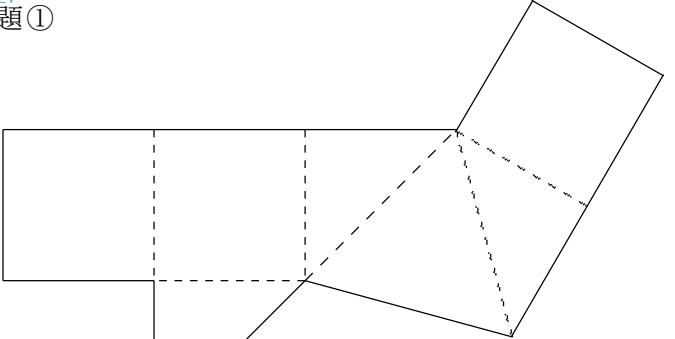
2. 次の展開図は、立方体を切断した立体のものである。  
立方体に辺を記入し、 $v - e + f$ を求めよ。  
The following developed diagram is a three-dimensional model obtained by cutting a cube. Fill in the sides of the cube and find  $v - e + f$ .

例題



$v$  頂点 vertex 6  
 $e$  辺 edge 9  
 $f$  面 face 5  
 $v - e + f = 6 - 9 + 5 = 2$

問題①



問題②

