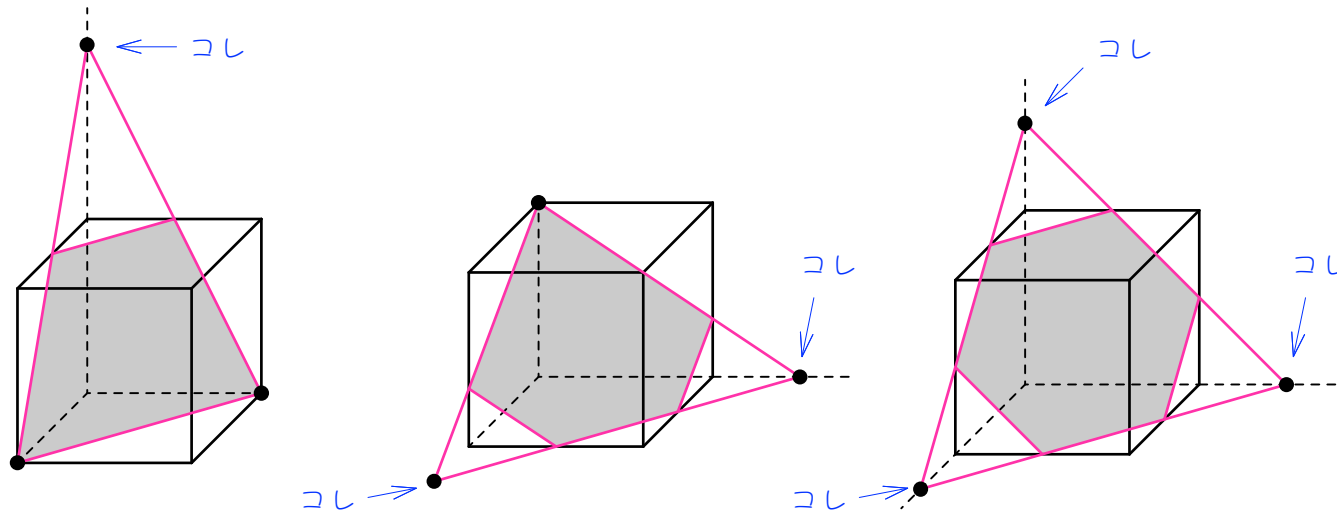


## 切り口の作図の大前提

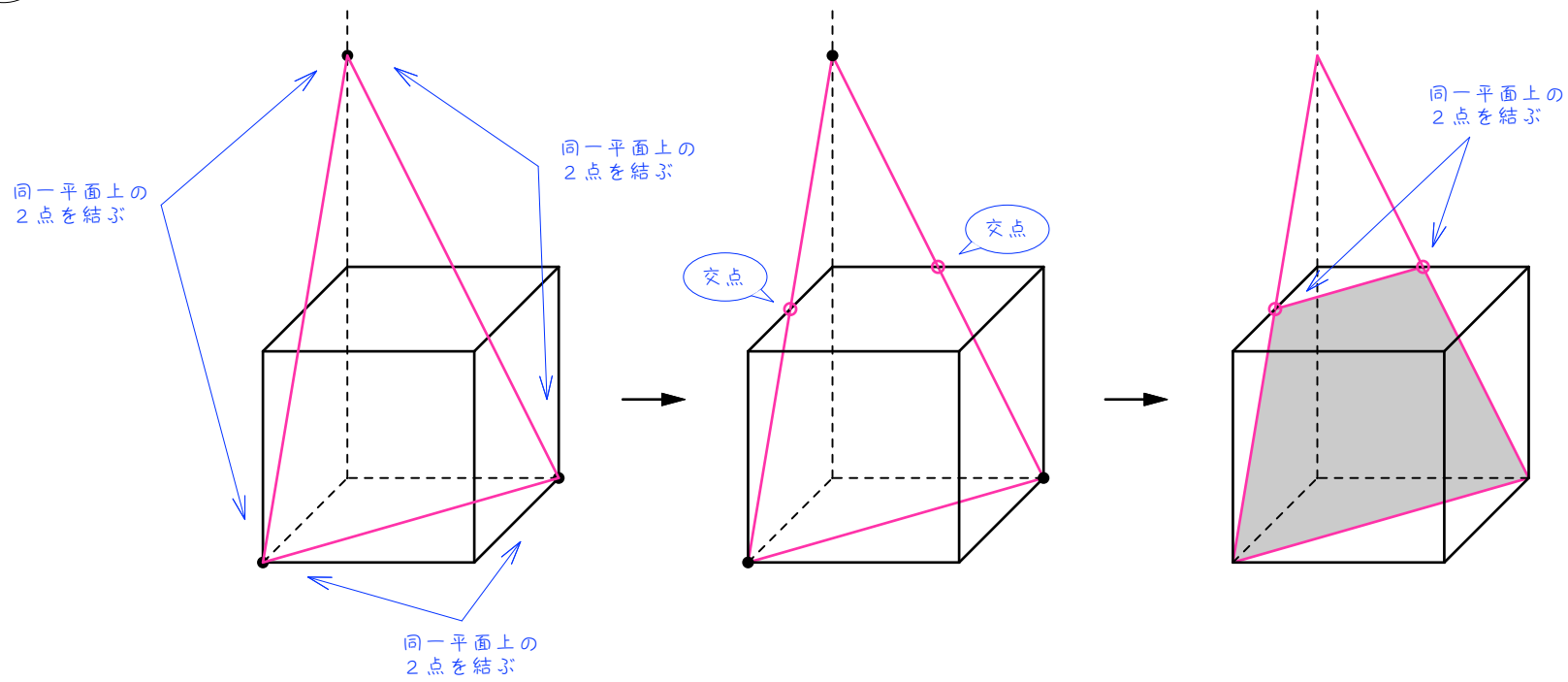


切り口が五角形や六角形、一部の四角形になる場合、**立方体の外**の点を通る平面で立方体を切った、と考えることができます。

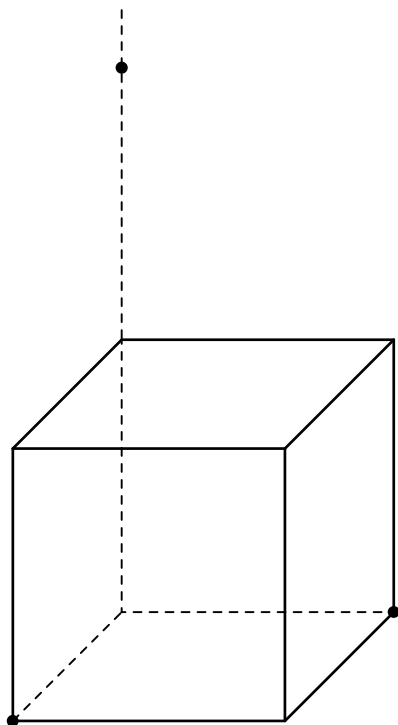
I

例にならって、●を通る平面で立方体を切断したときの切り口を作図しなさい。

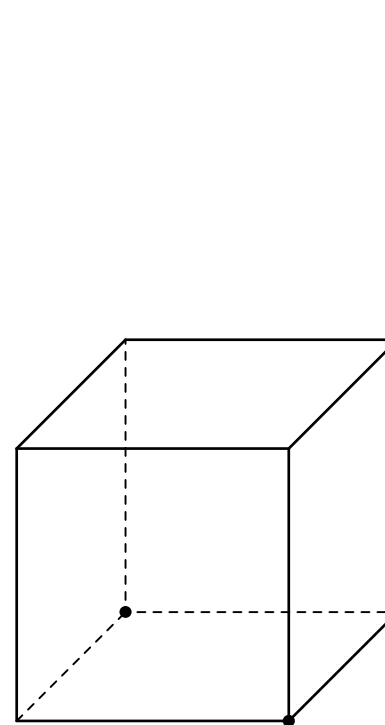
例



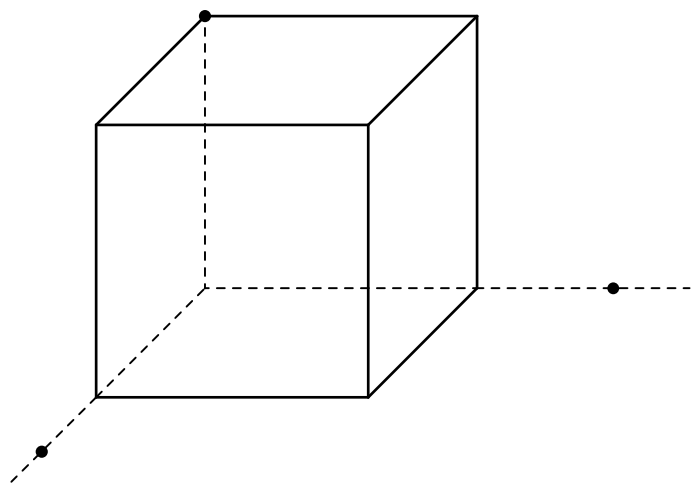
(1)



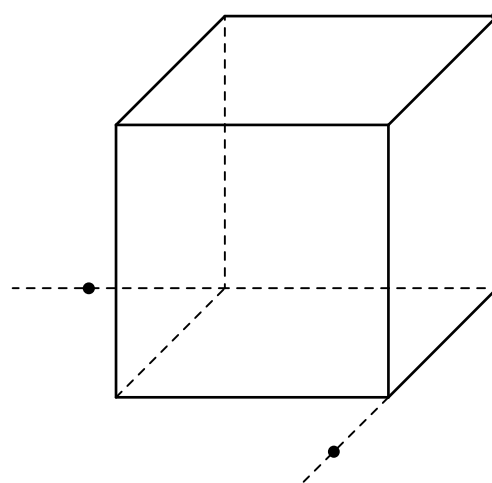
(2)



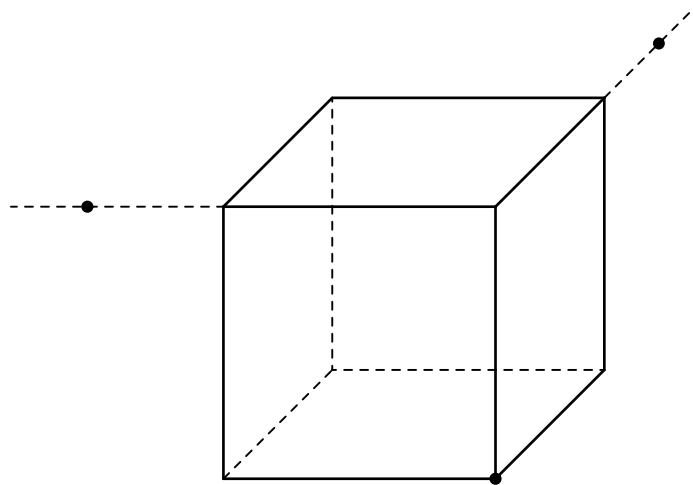
(3)



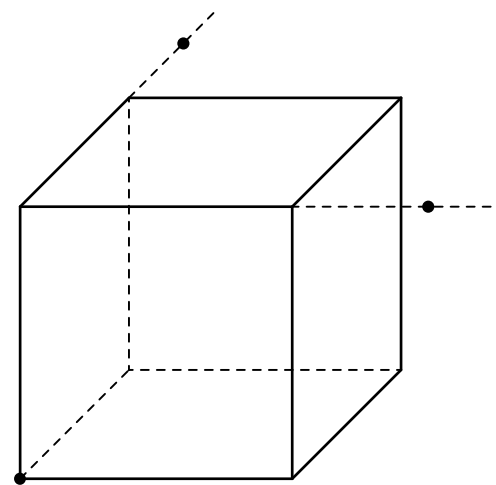
(4)



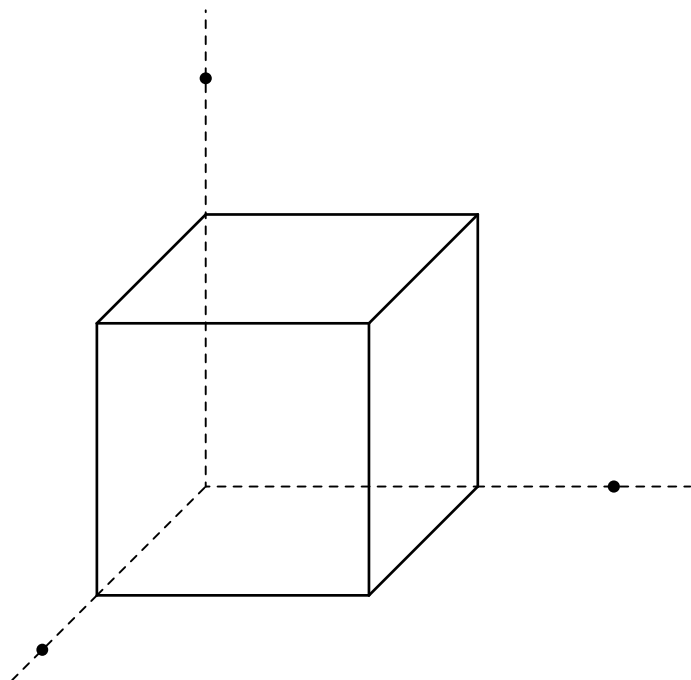
(5)



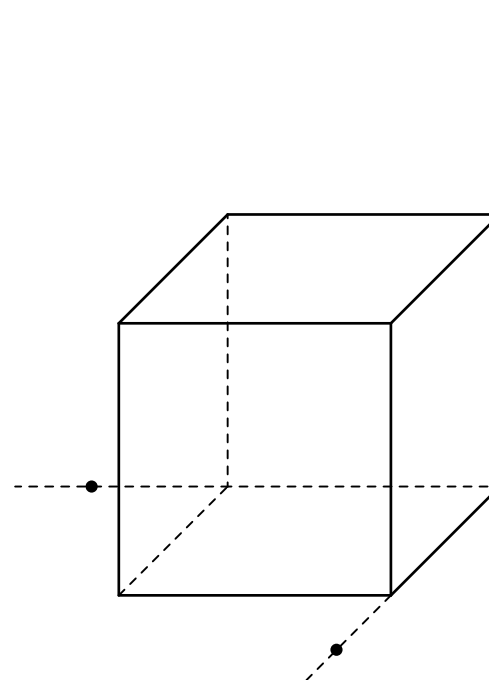
(6)



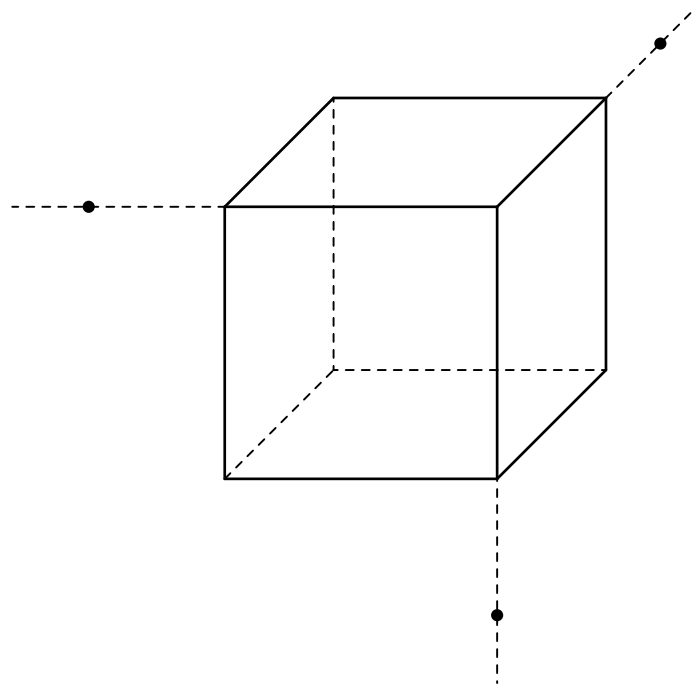
(7)



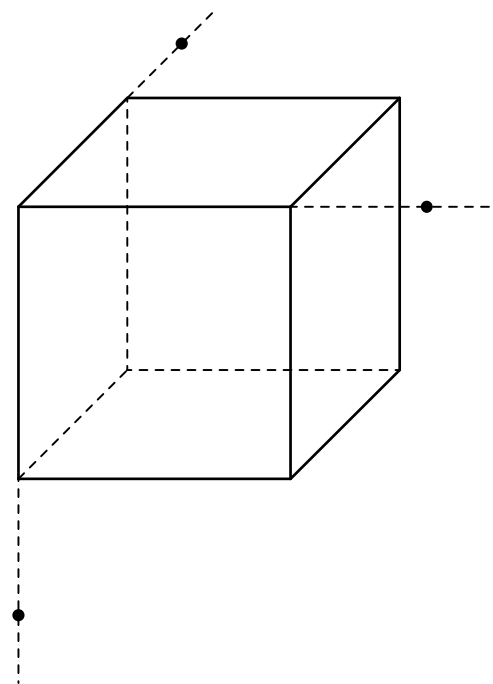
(8)



(9)



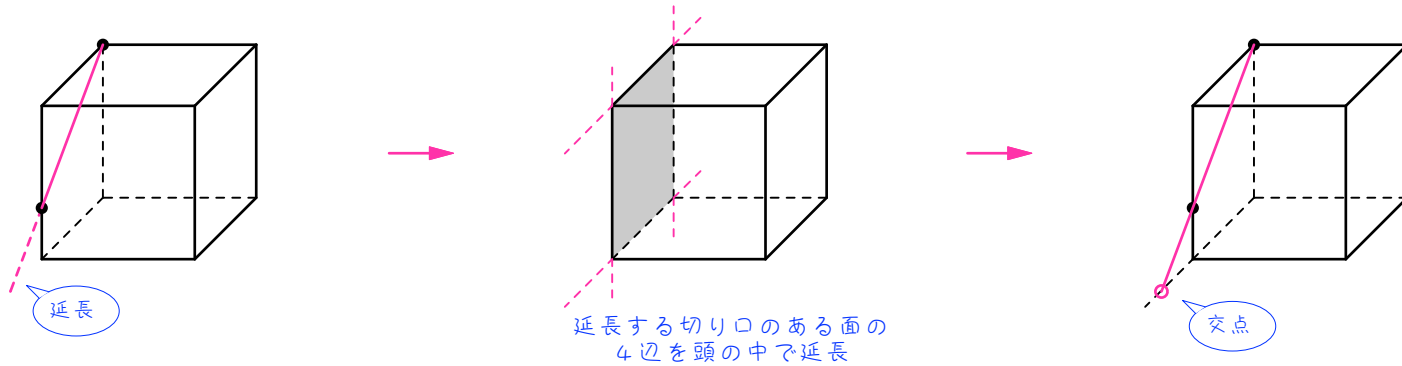
(10)



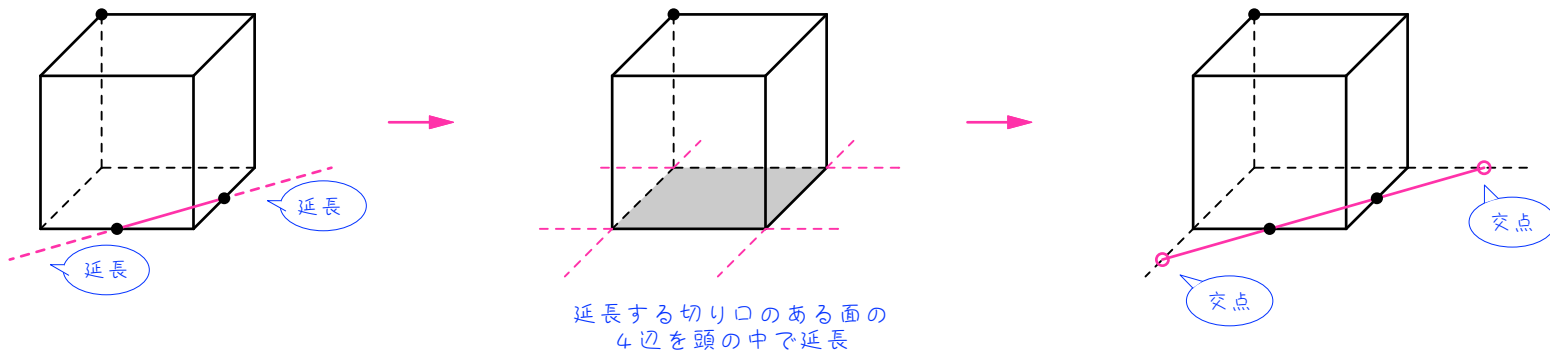
# 切り口の作図のポイント③

**「延長」** : 切り口の1辺と、切り口のある面の4つの辺を延長し、その交点を利用する。

ケース1



ケース2

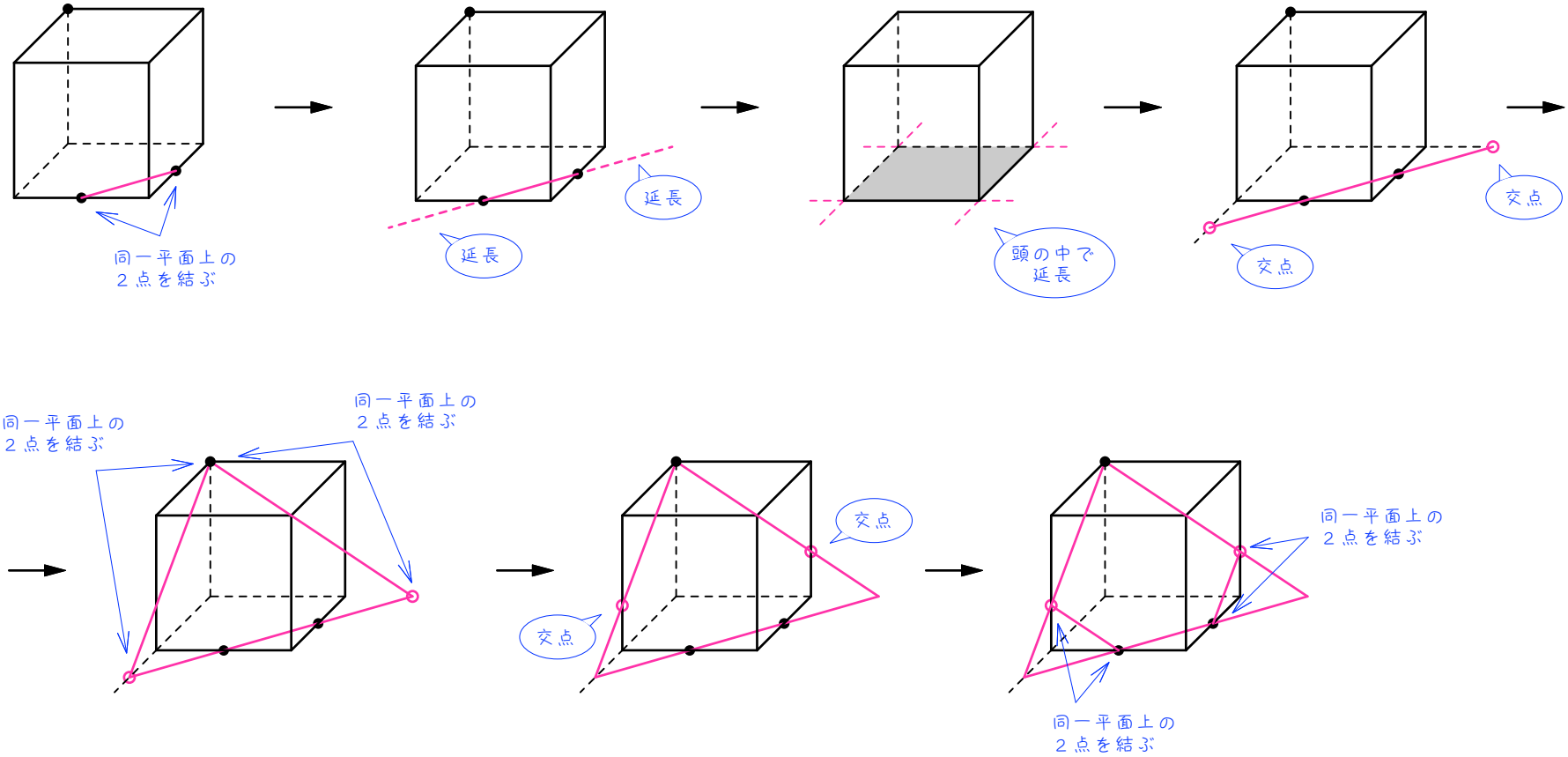




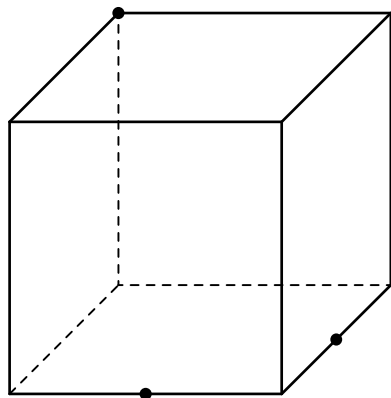
2

例にならって、●を通る平面で立方体を切断したときの切り口を作図しなさい。

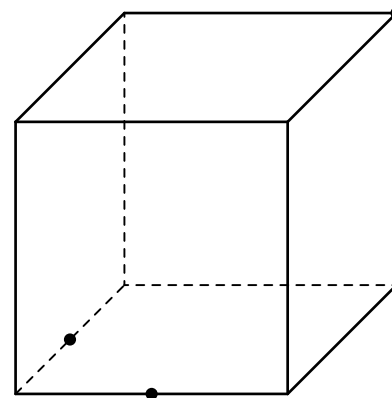
例



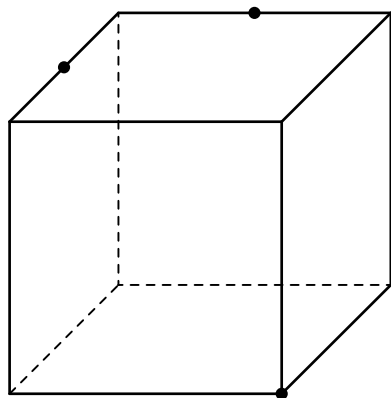
(1)



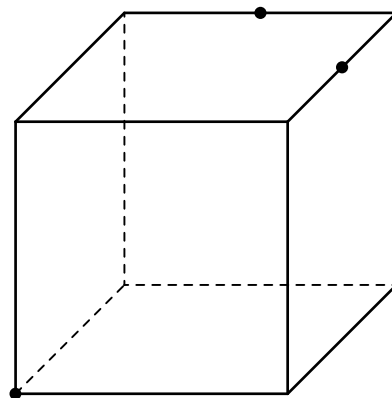
(2)



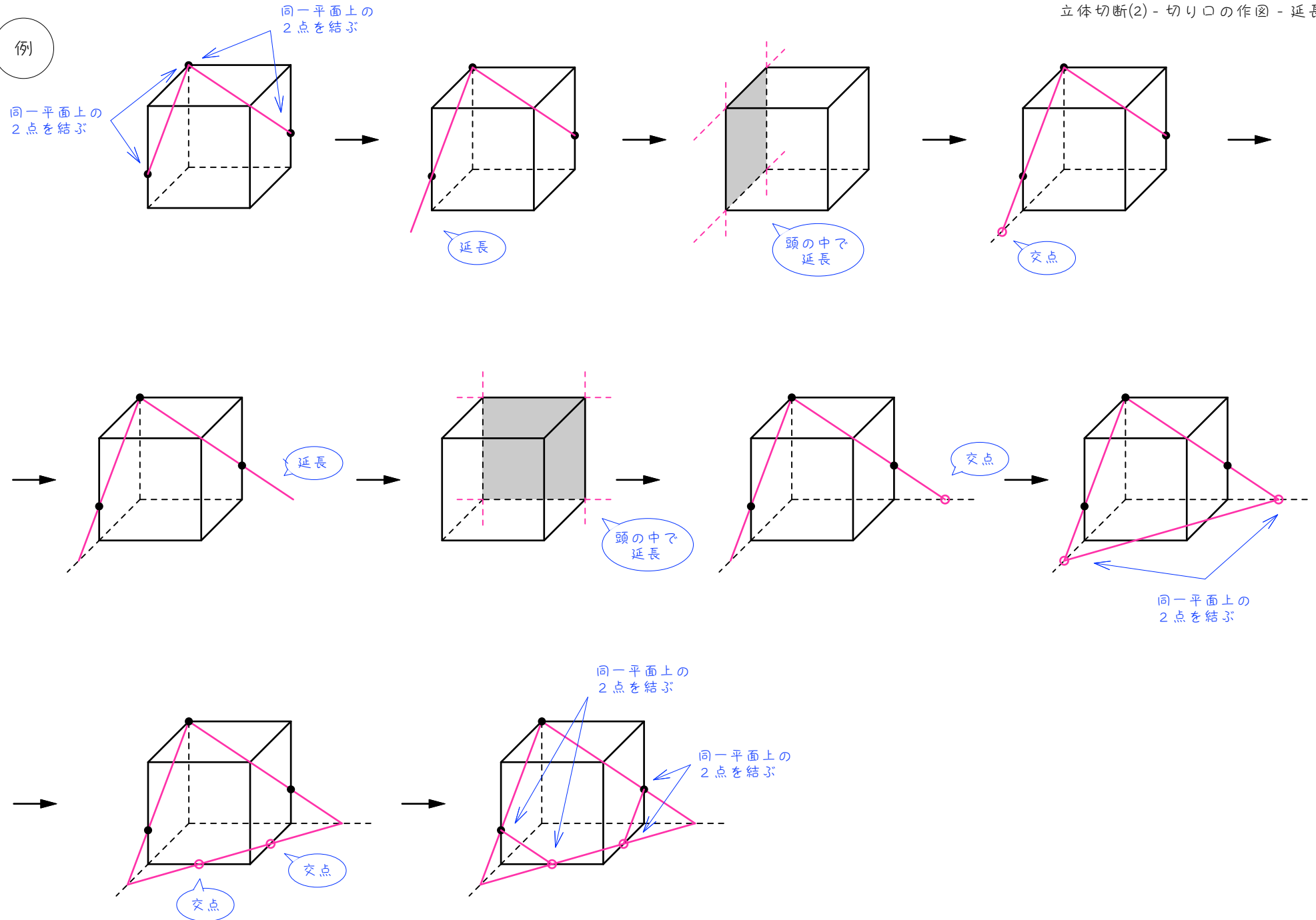
(3)



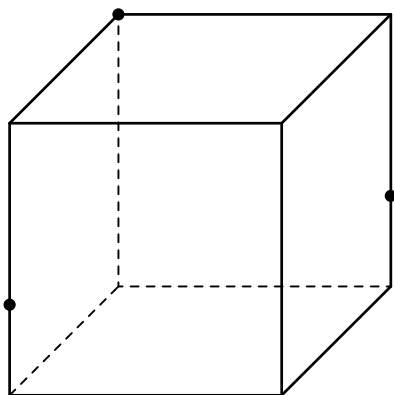
(4)



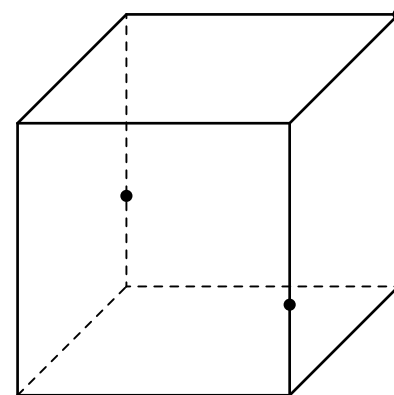
例



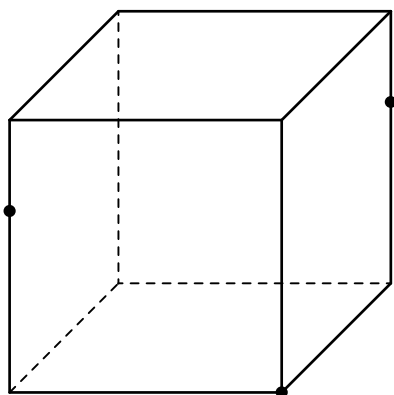
(5)



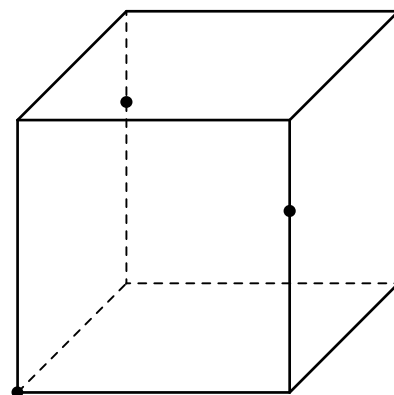
(6)



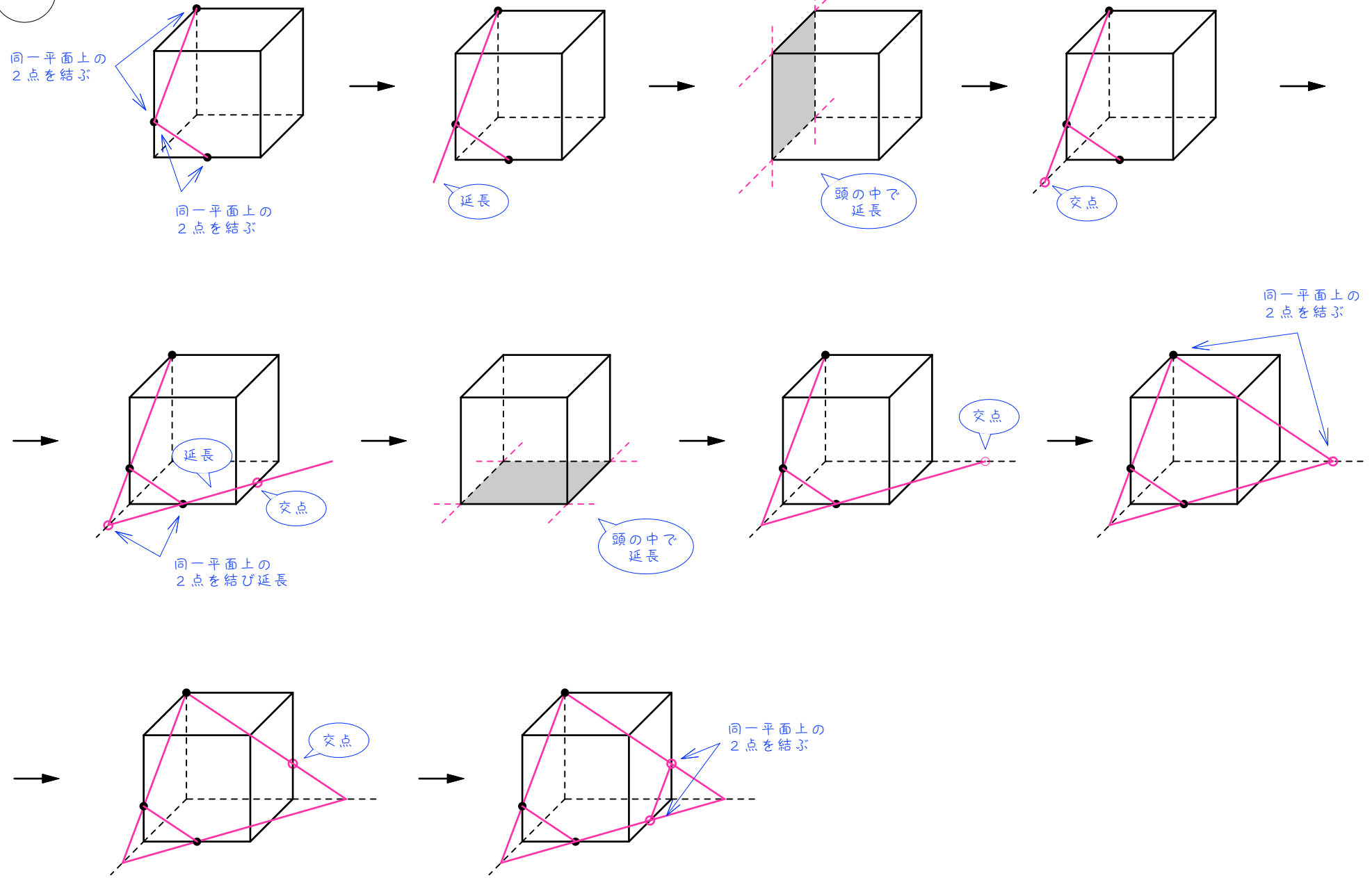
(7)



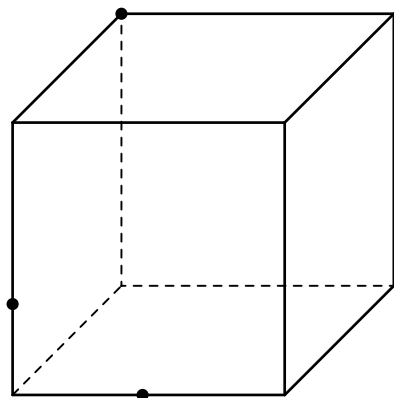
(8)



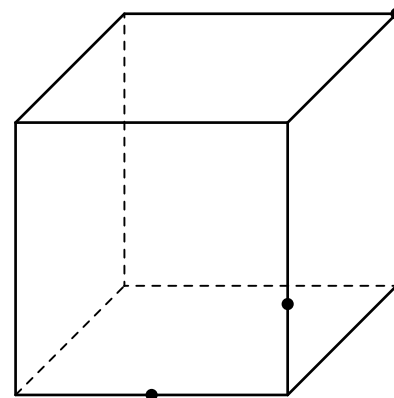
例



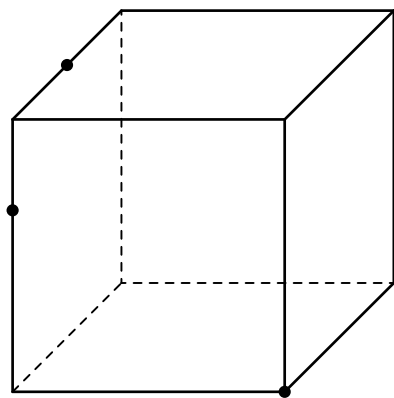
(9)



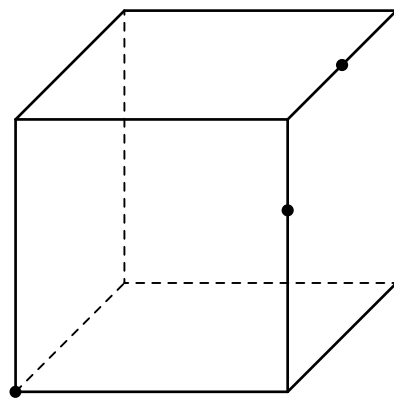
(10)



(11)

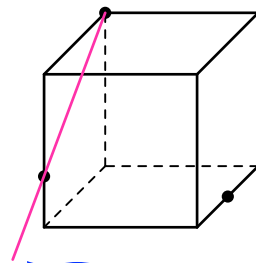
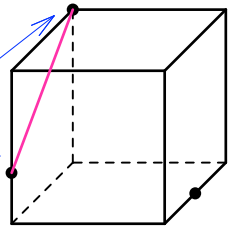


(12)

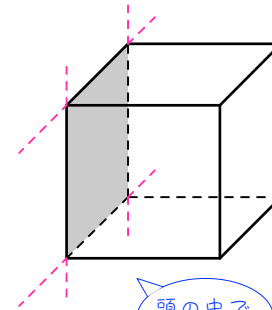


例

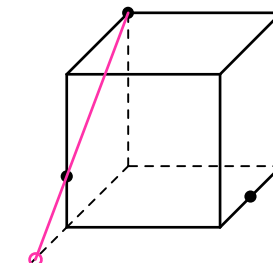
同一平面上の  
2点を結ぶ



延長



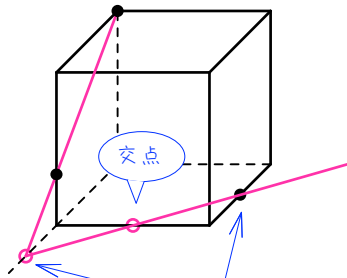
頭の中で  
延長



交点

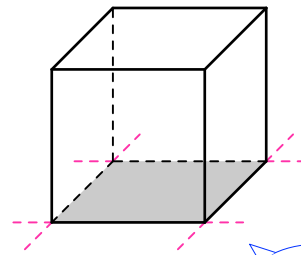


同一平面上の  
2点を結ぶ

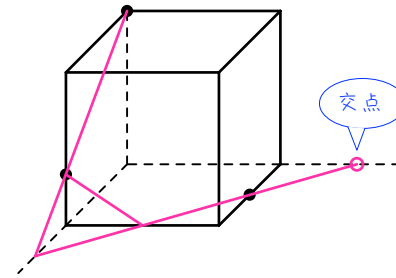


交点

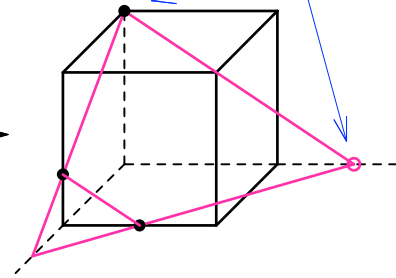
同一平面上の  
2点を結び延長



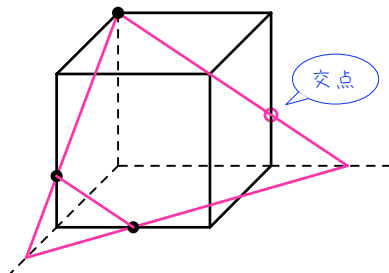
頭の中で  
延長



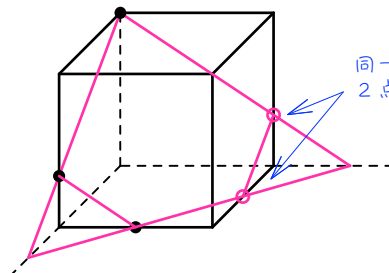
交点



同一平面上の  
2点を結ぶ

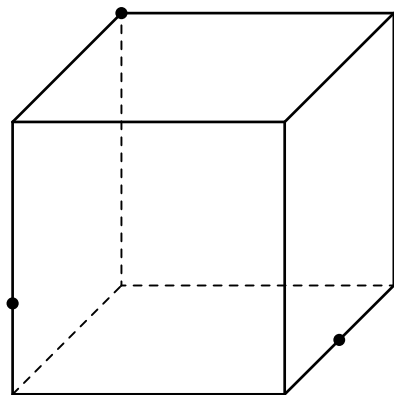


交点

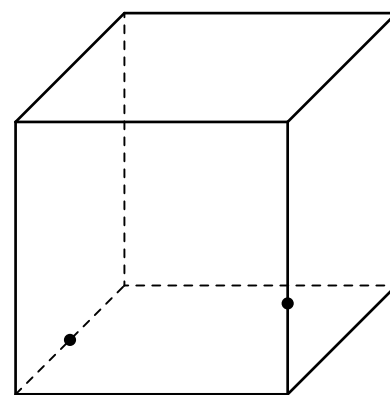


同一平面上の  
2点を結ぶ

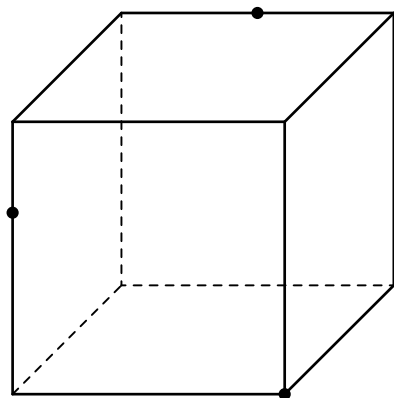
(13)



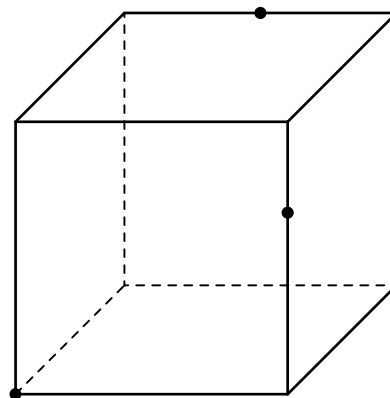
(14)



(15)

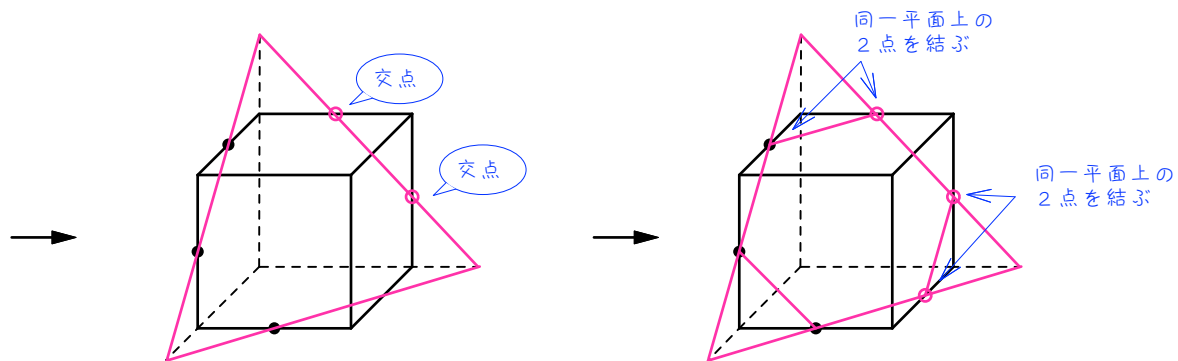
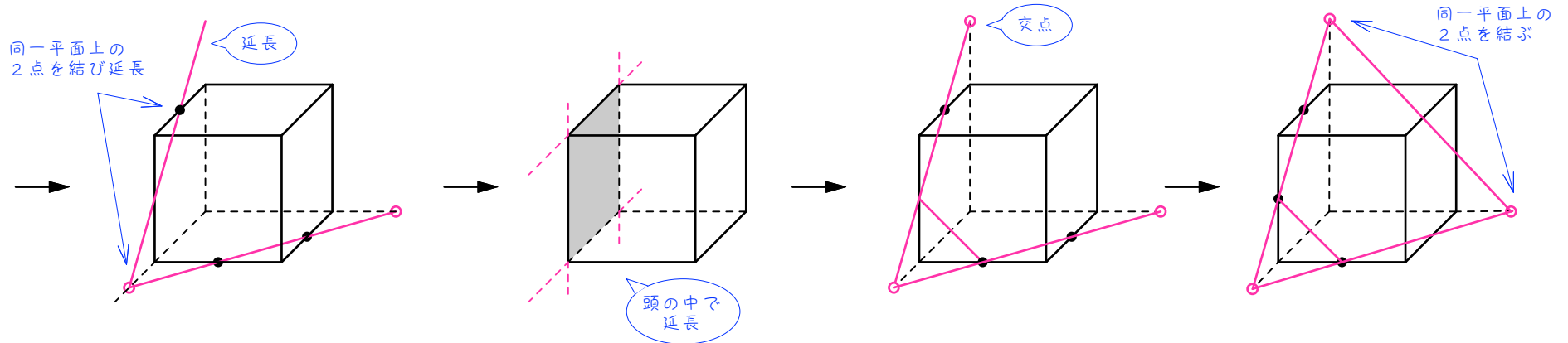
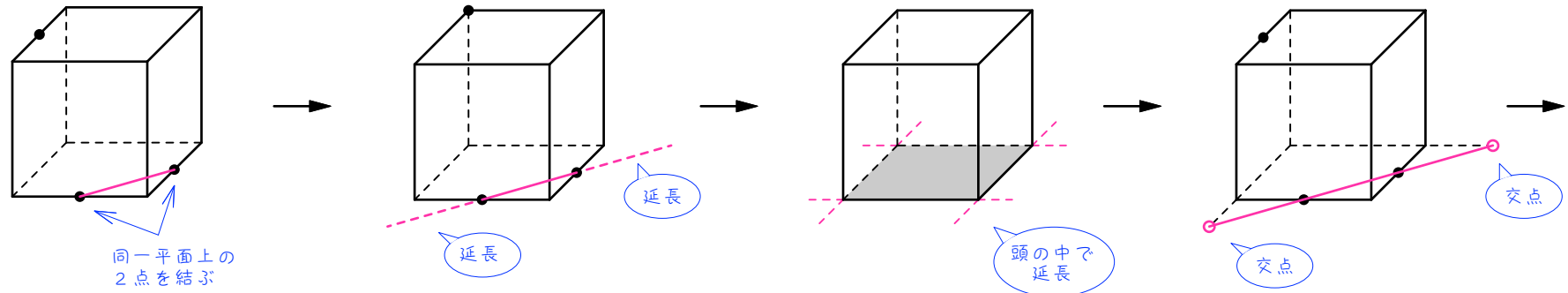


(16)

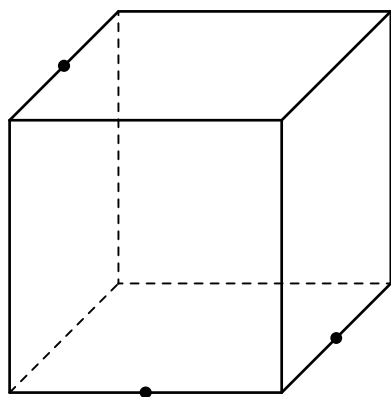




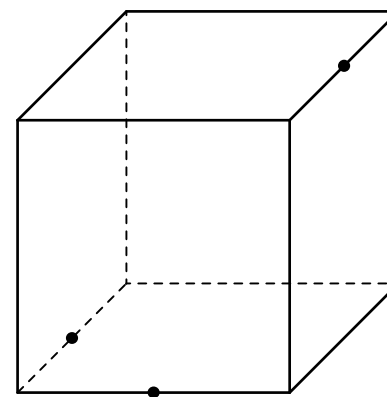
例



(17)



(18)



例

同一平面上の  
2点を結ぶ

同一平面上の  
2点を結ぶ

延長

延長

頭の中で  
延長

交点

交点

延長

交点

同一平面上の  
2点を結び延長

頭の中で  
延長

交点

同一平面上の  
2点を結ぶ

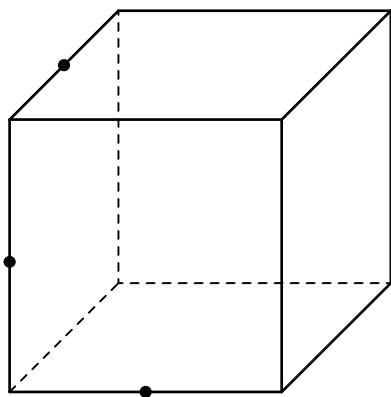
同一平面上の  
2点を結ぶ

交点

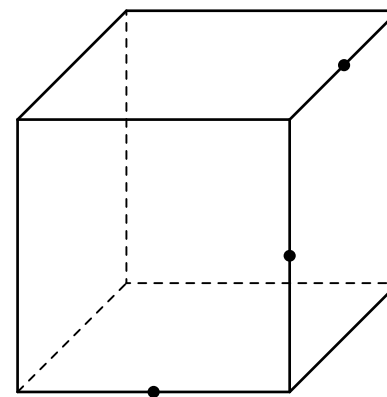
交点

同一平面上の  
2点を結ぶ

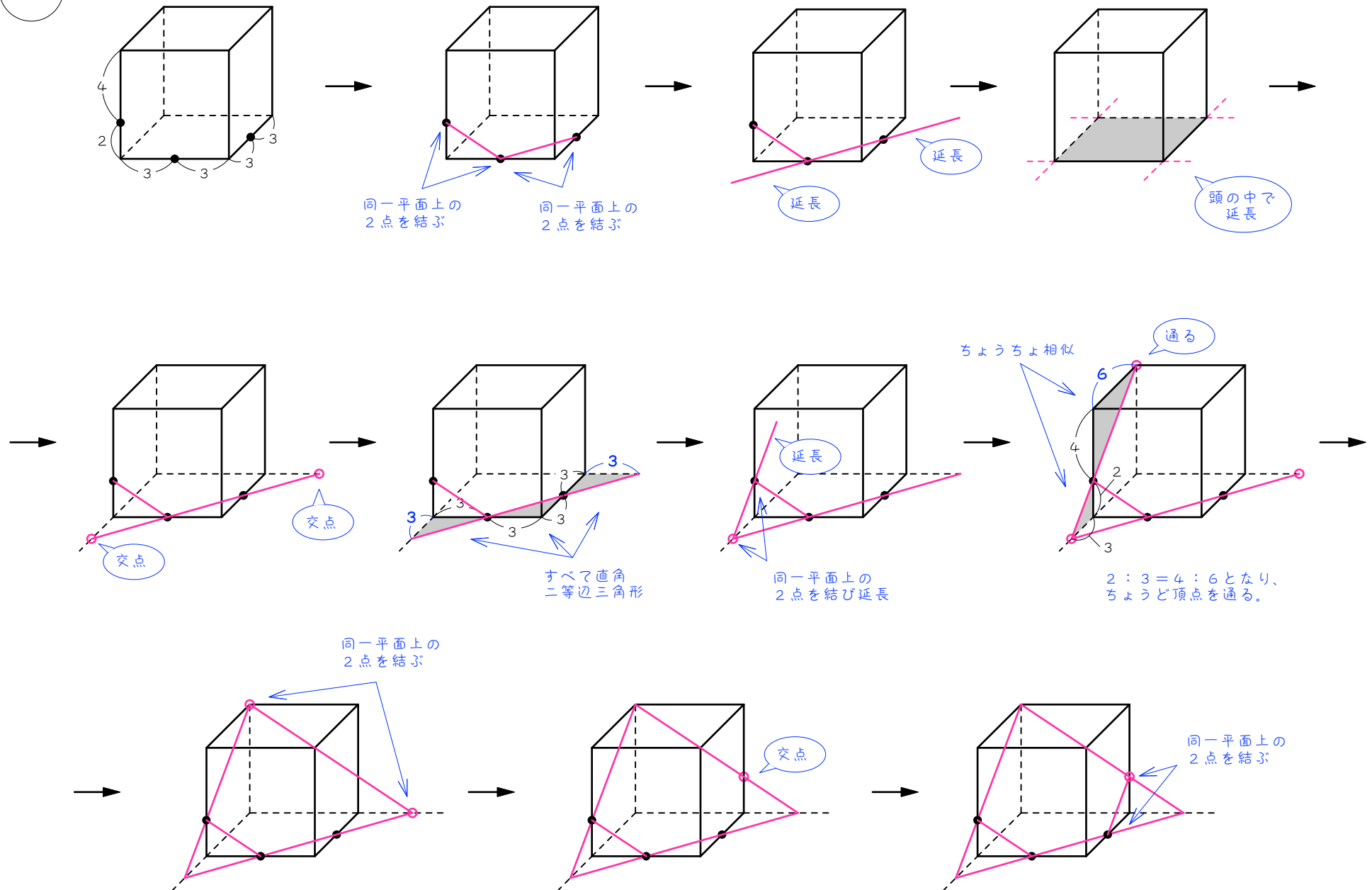
(19)



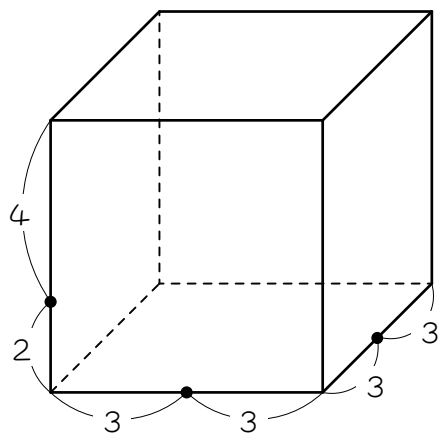
(20)



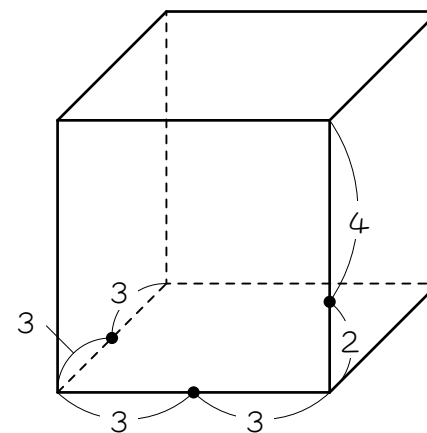
例 ☆



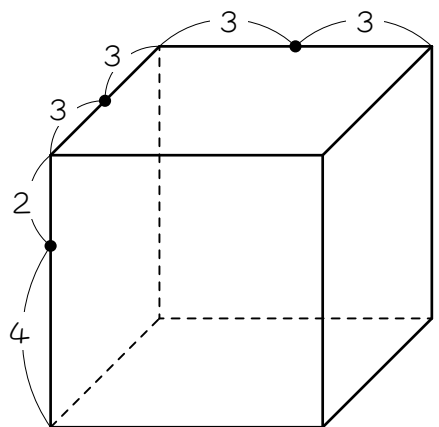
(21)



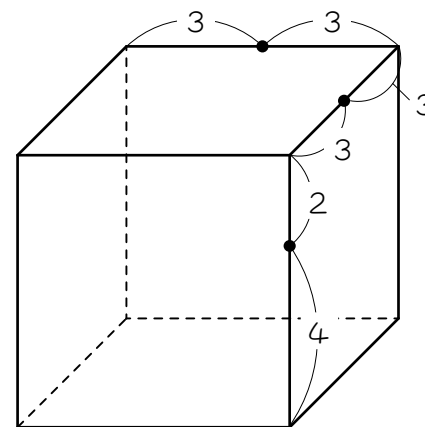
(22)



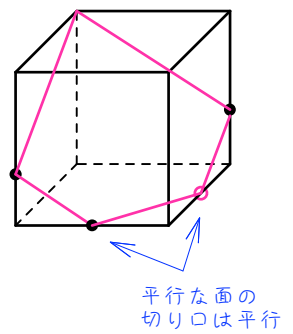
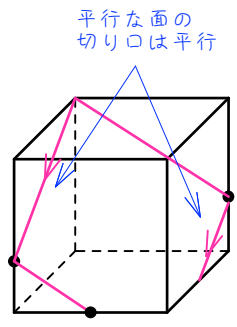
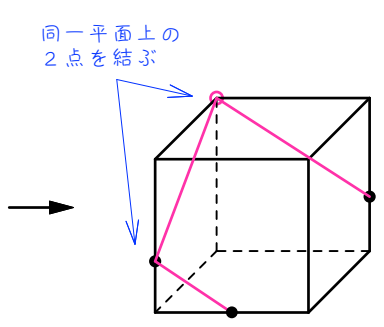
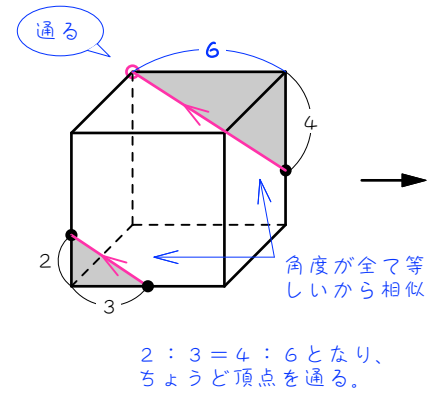
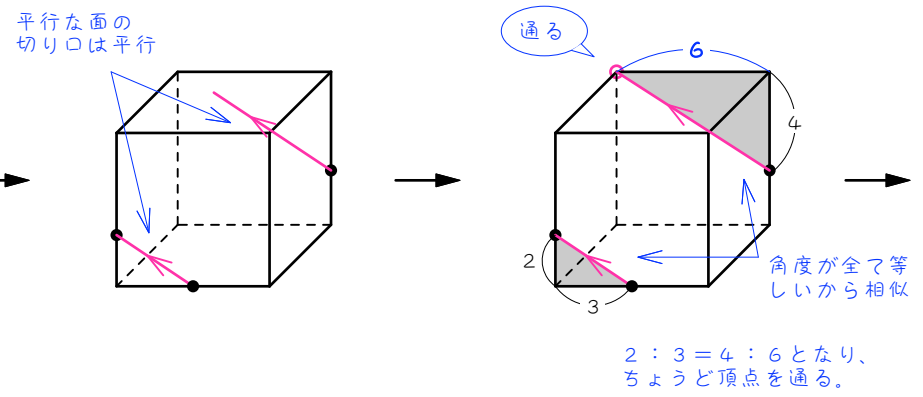
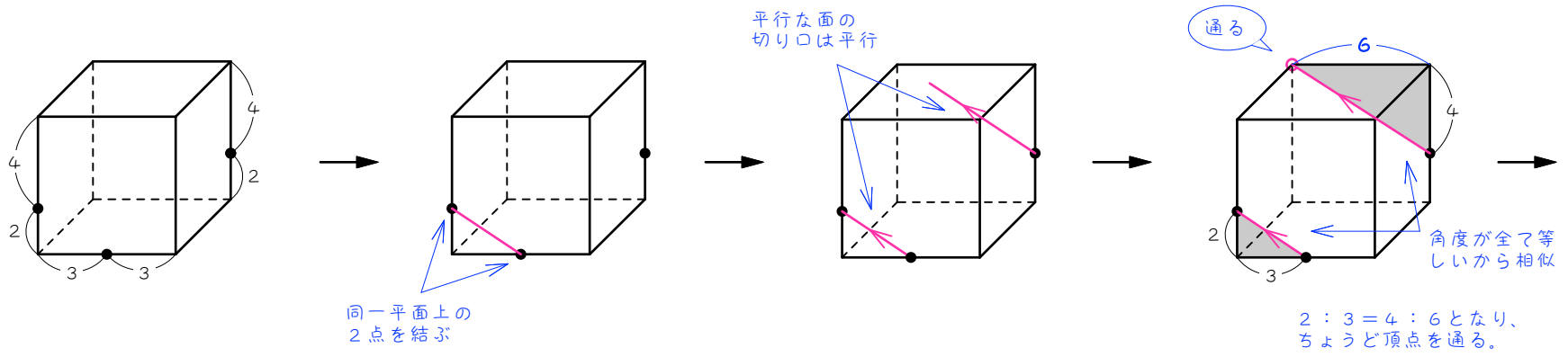
(23)



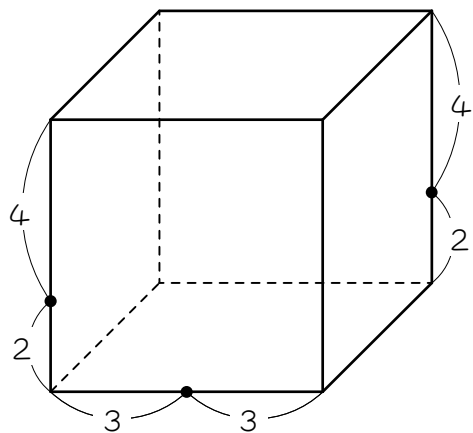
(24)



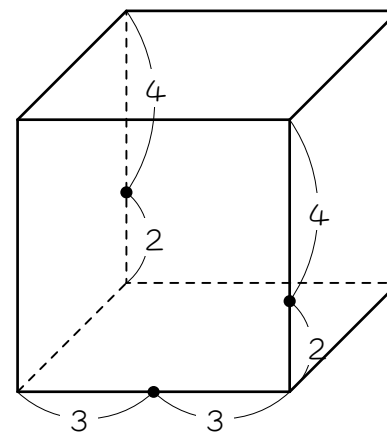
例 ☆



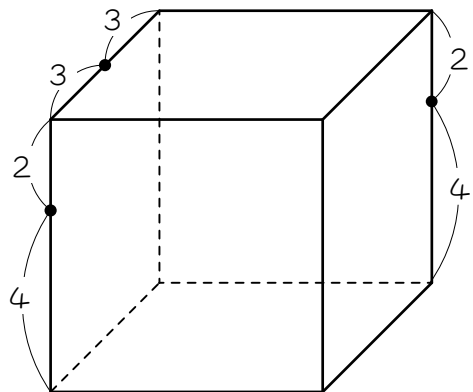
(25)



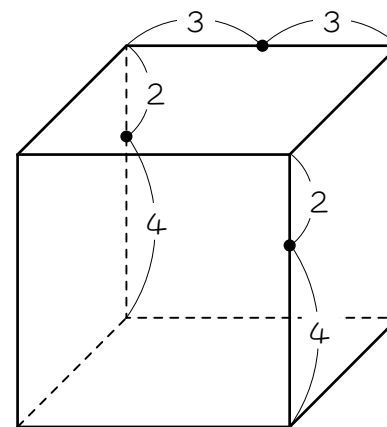
(26)



(27)



(28)

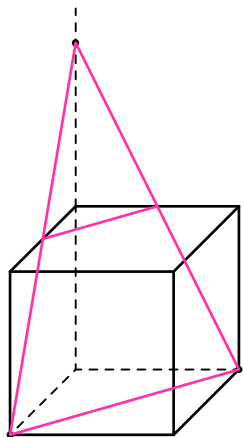




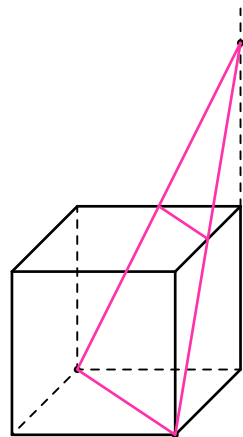
(解答)



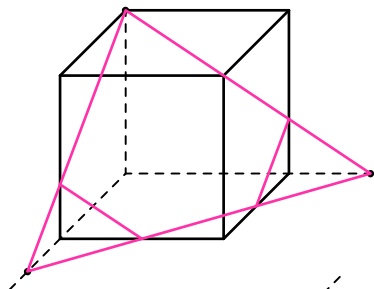
(1)



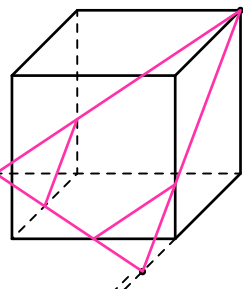
(2)



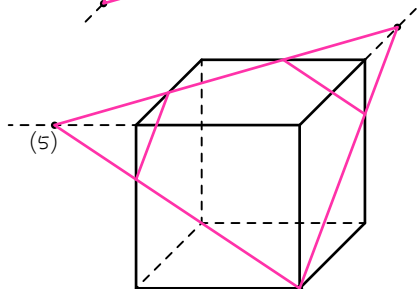
(3)



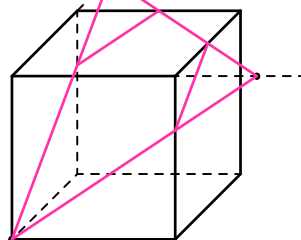
(4)



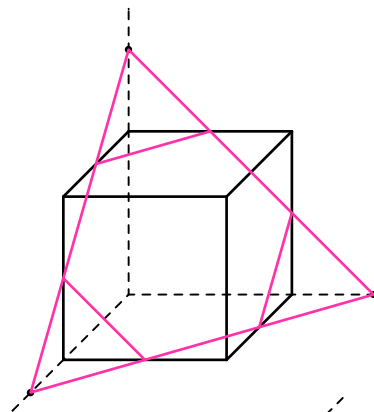
(5)



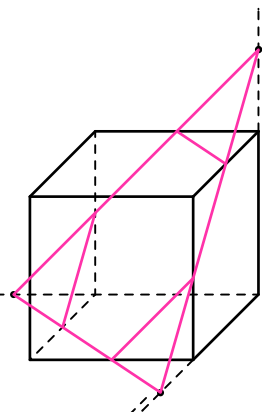
(6)



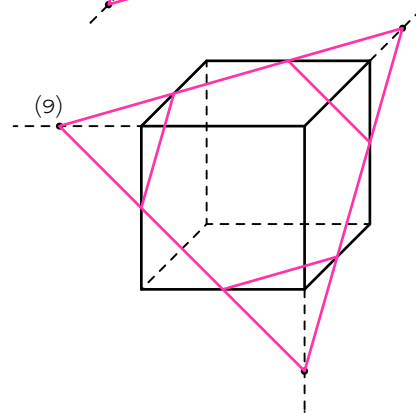
(7)



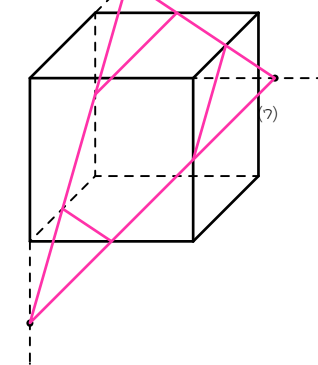
(8)



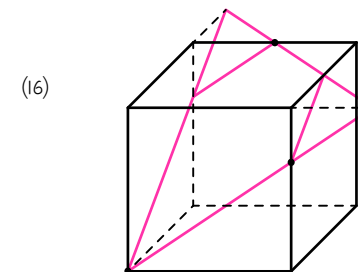
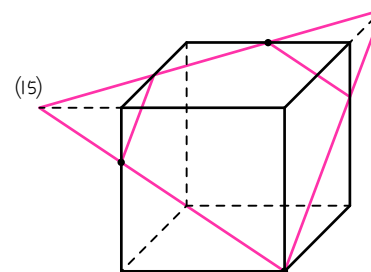
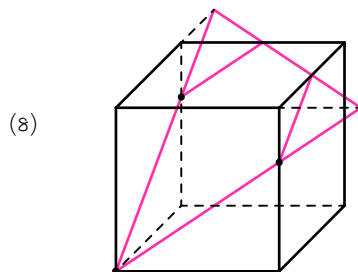
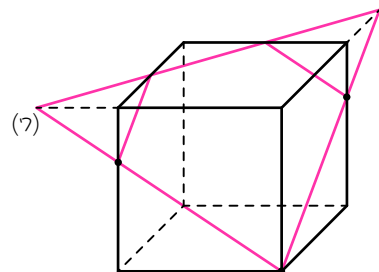
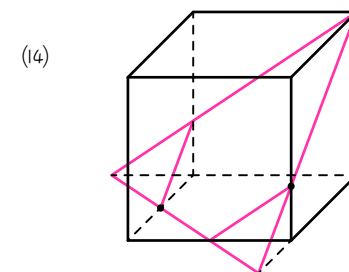
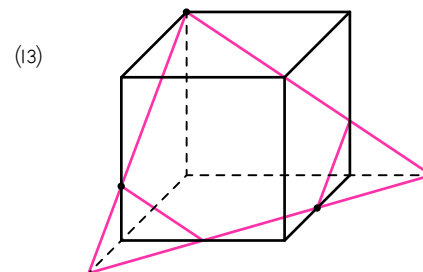
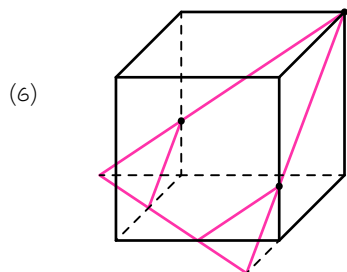
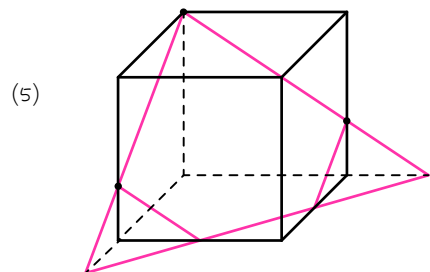
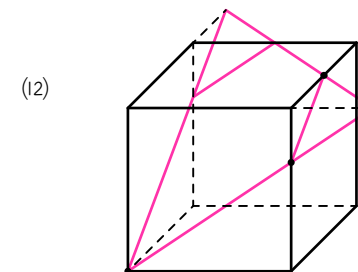
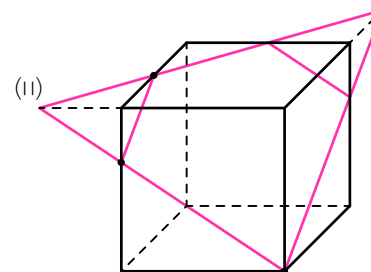
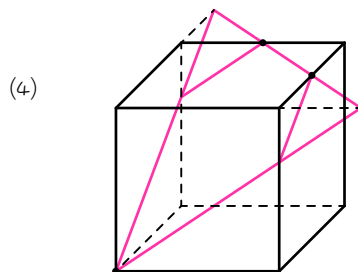
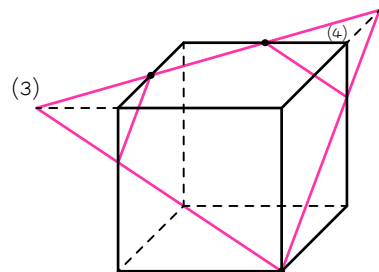
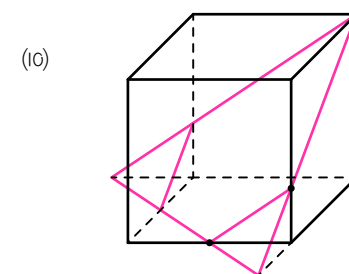
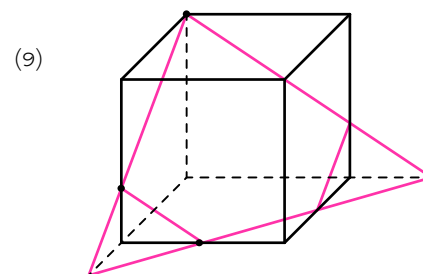
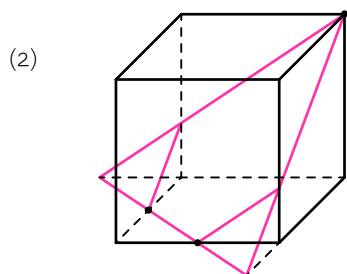
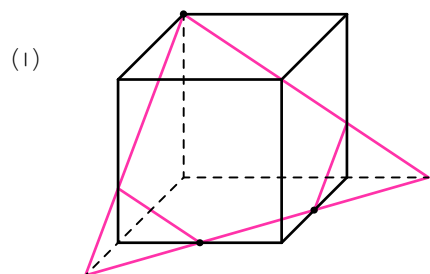
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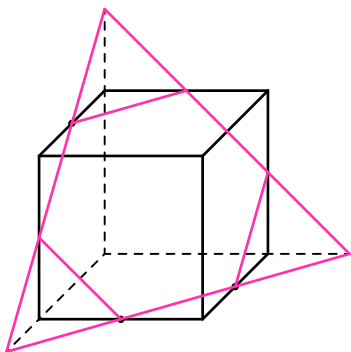
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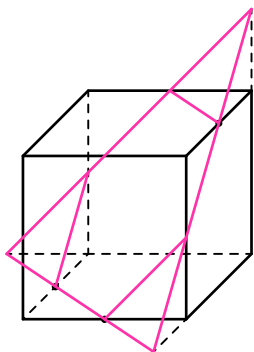
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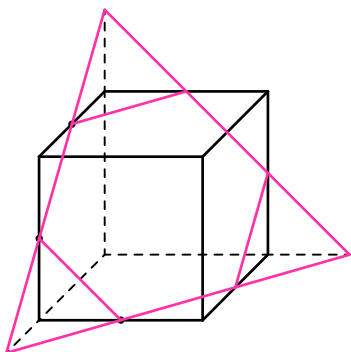
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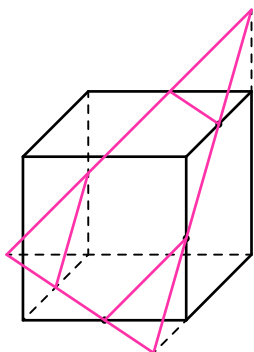
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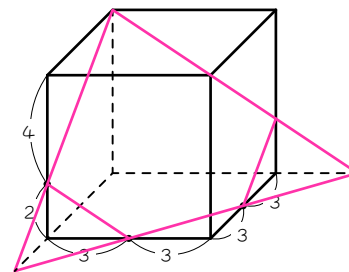
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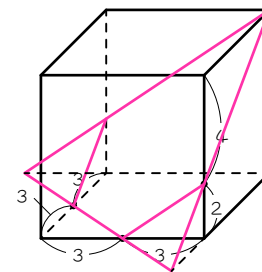
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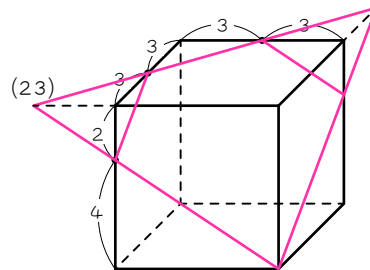
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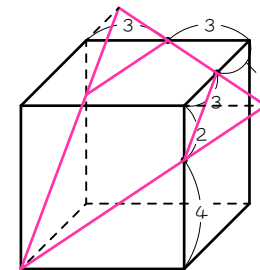
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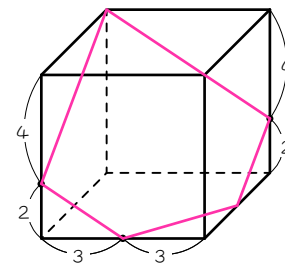
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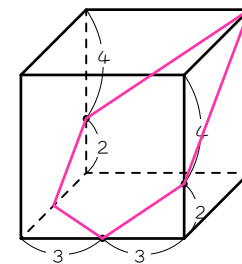
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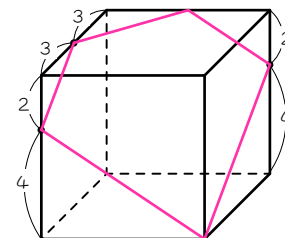
(25)



(26)



(27)



(28)

