国家数控技能型紧缺人才培养培训工程系列教材
高职高专数控专业规划教材

机械制图习题集

Jixie Zhitu Xitiji

樊忠和　主编

机械工业出版社
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机械制图习题集

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机械工业出版社

本教材为国家数控技能型紧缺人才培养培训工程系列教材，可与樊忠和主编的《机械制图》配套使用。本教材内容包括：投影的基本知识、立体的投影、组合体的画图和看图方法、几何体的轴测图、机件的常用表达方法、零件图与标准件、装配图、计算机绘图。习题类型有补线、补图、填空、改错、作图、选择题等，各部分习题均有一定数量的题目供选择，全面训练了读图、手工绘图、计算机绘图的能力。

本教材可作为高职高专院校机械类和近机类各专业机械制图和工程制图的教材，也可供其他工科院校、电视大学、职工大学、函授大学相关专业使用，并可作为工程技术人员自学和参考用书。

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前　言

本教材是国家数控技能型培养培训工程系列教材，结构、章节层次与樊忠和主编的《机械制图》配套使用。本教材具有以下特点：

1. 根据“教育部两年制高等职业教育数控技术应用专业领域技能型紧缺人才培养指导方案”中机械制图课程教学的基本要求编写。

2. 按最新国家标准编写。

3. 题目难度适中，以基本练习题为主，由浅入深，重点章节适当增加题量，供使用者按教学实际情况选用。

4. 绘图手段要求以徒手、仪器、计算机三种方式并举，使学生既具备扎实的基本功，又能适应现代化工程技术的需要。

本教材由杨晓红老师编写第一章第一、二节，林胜老师编写第一章第三、四节，樊忠和老师编写第二、四章，刘文霞老师编写第三章，段晓勇和白雪清老师编写第五章。本教材由樊忠和任主编，王谟金任主审。

限于我们的水平和编写时间仓促，书中难免有缺陷或不当之处，敬请广大读者在使用中及时提出宝贵意见。

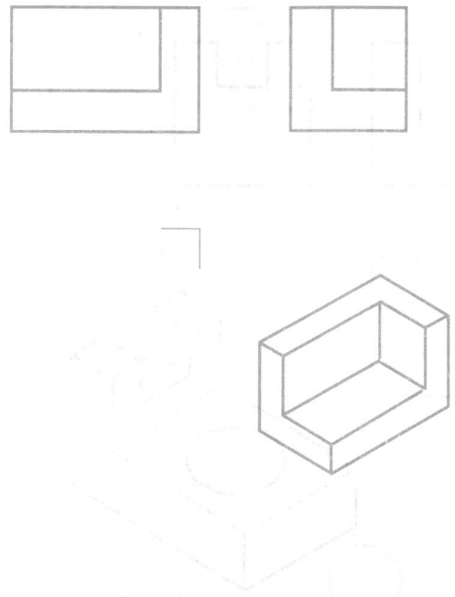
编　者

2006 年 1 月

目　录

1-1-1　根据轴测图补画所缺视图。

(1)



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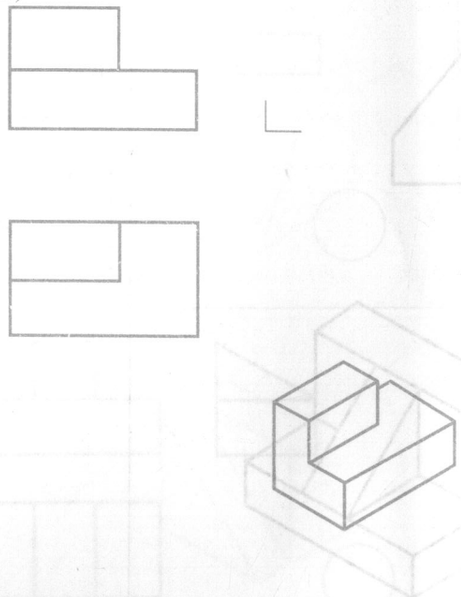

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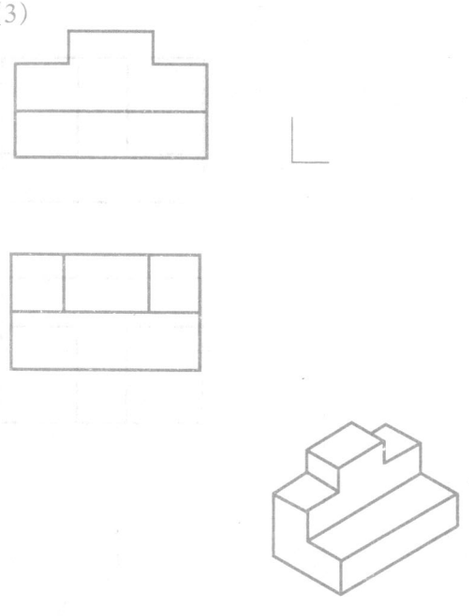

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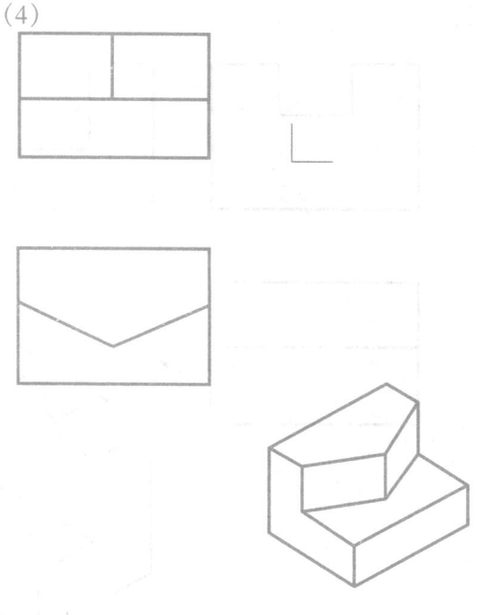

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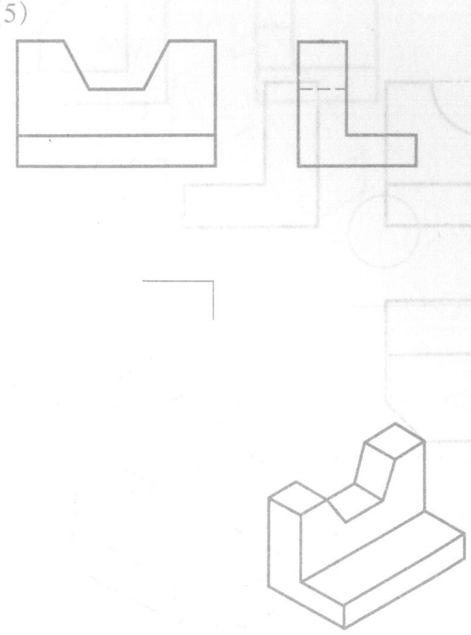

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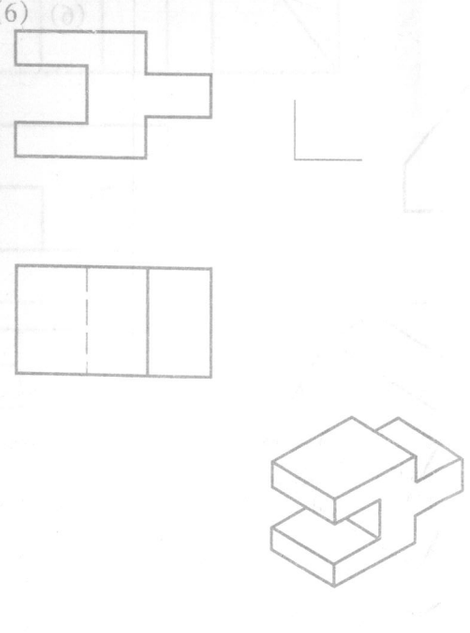

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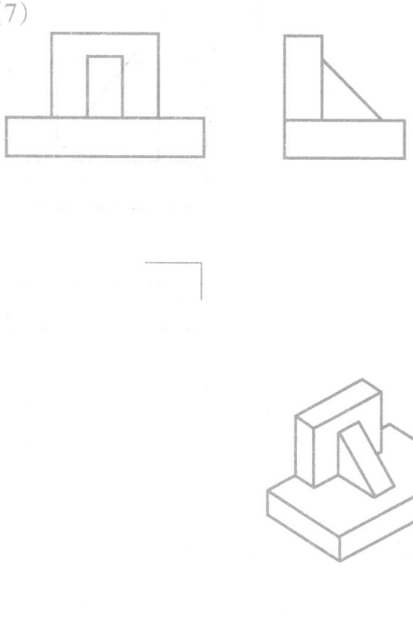

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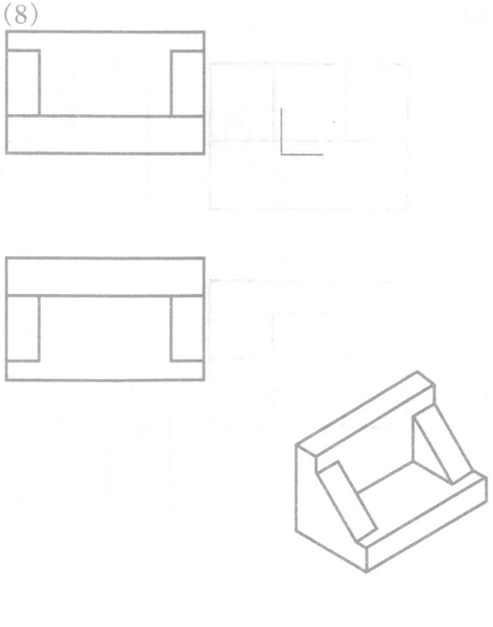

1-1-2　对照立体图补画三视图中的缺线。

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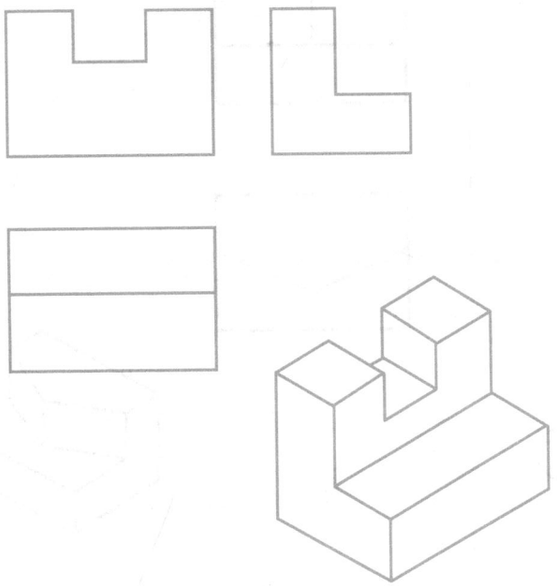

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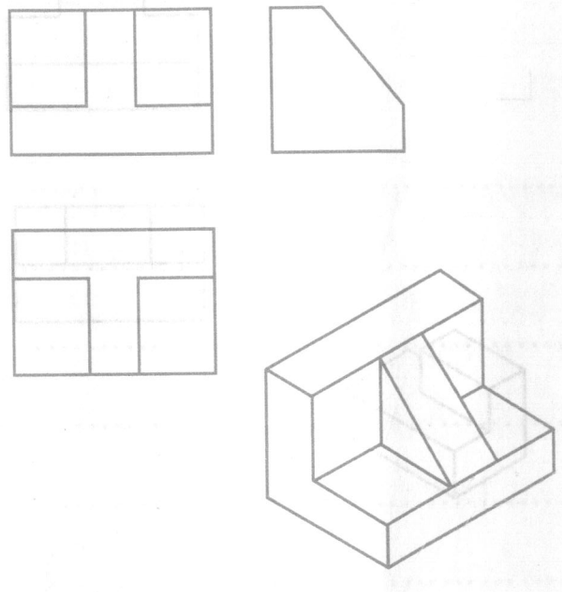

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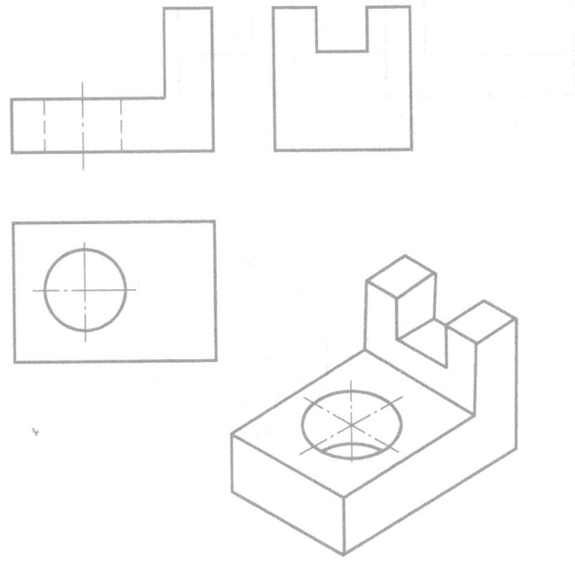

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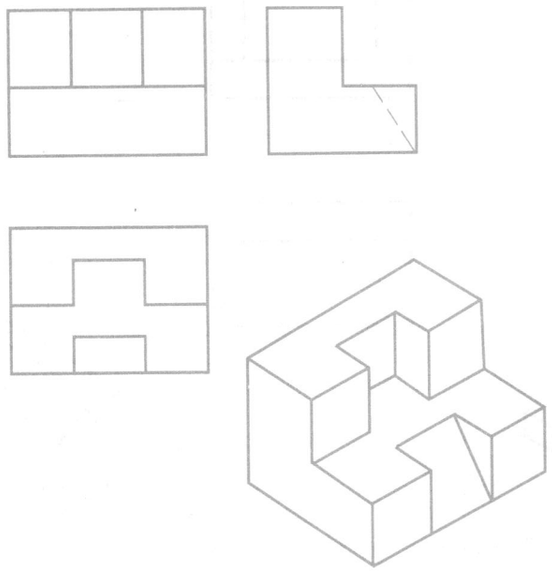

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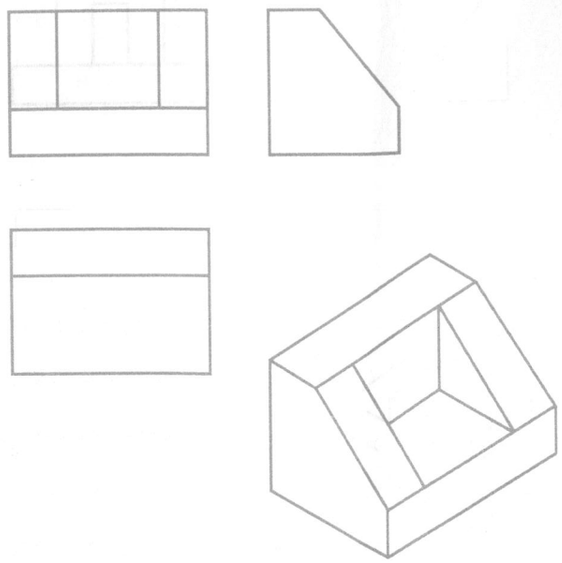

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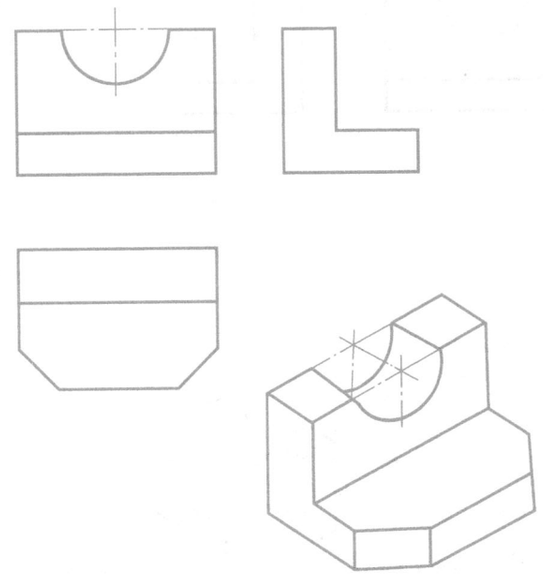
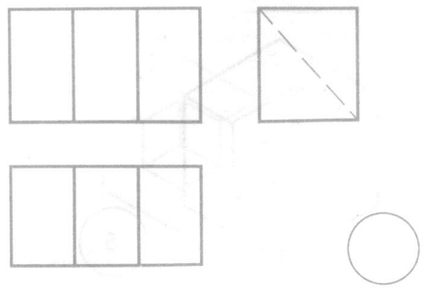
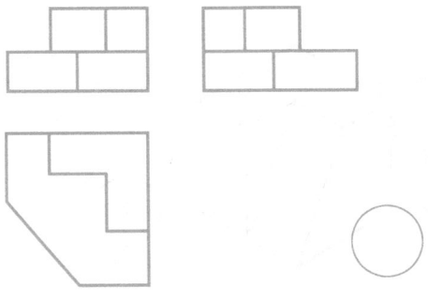
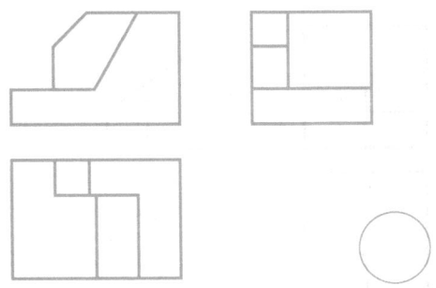
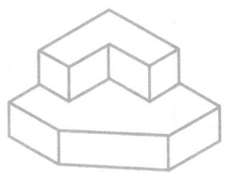


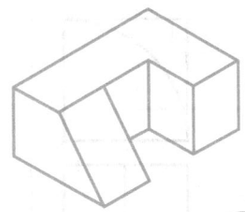
1-1-3　由立体图找出相应的三视图。

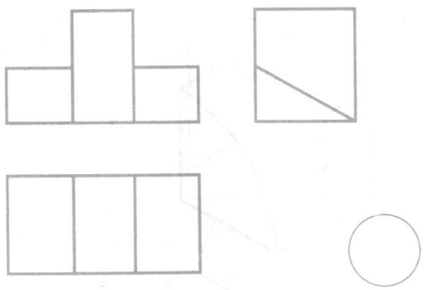


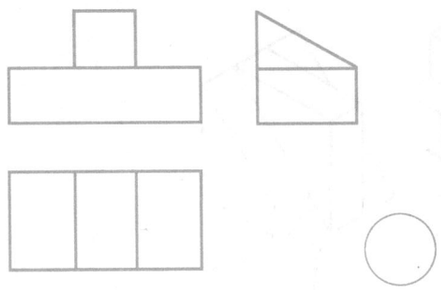


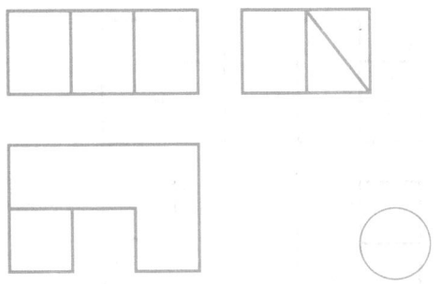


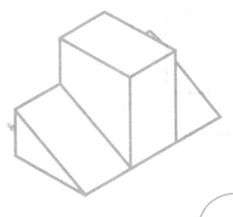


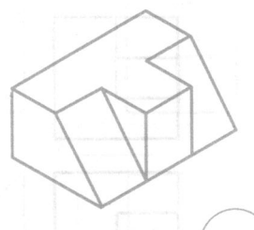


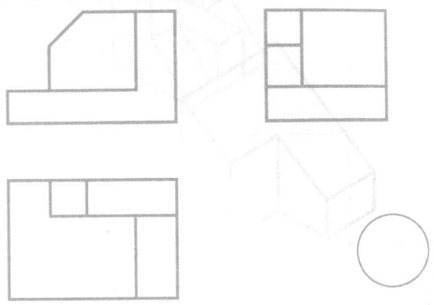


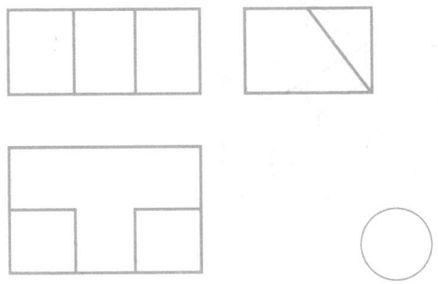


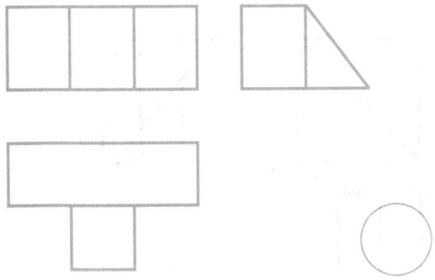


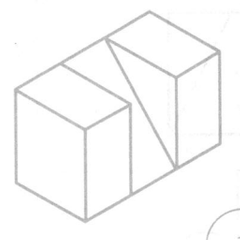


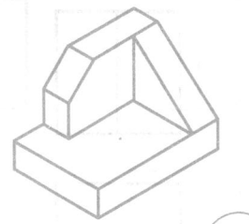


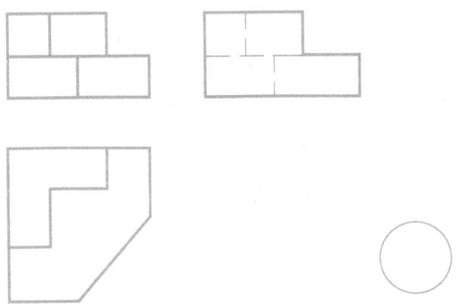


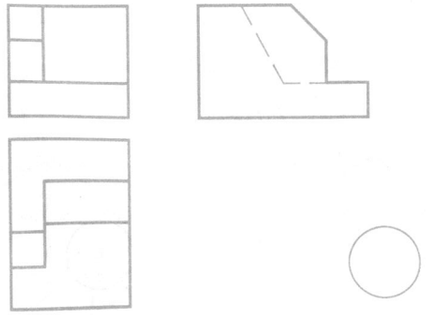


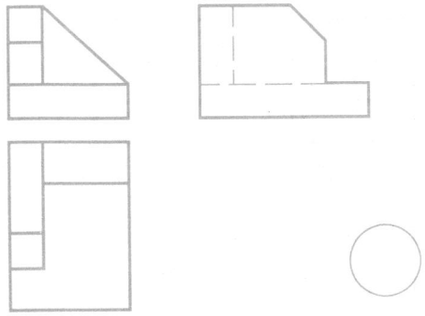


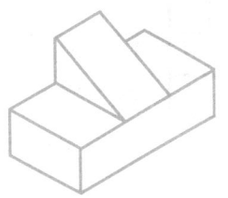


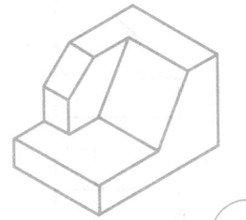






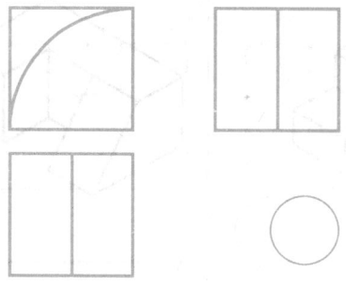


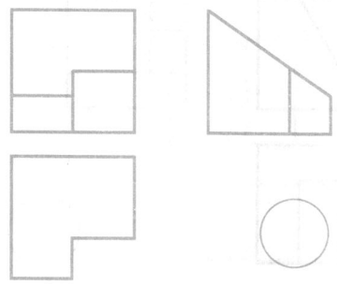


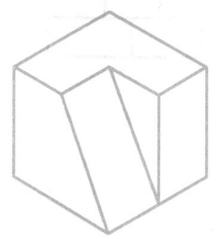


班级　　学号　　姓名　　审核

1-1-4　由立体找出相应的三视图。







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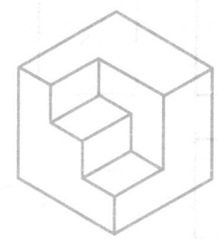

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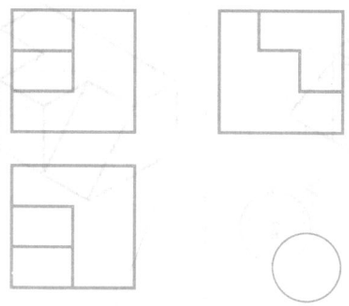

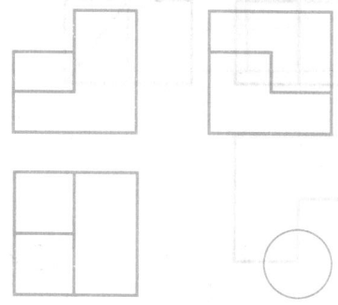

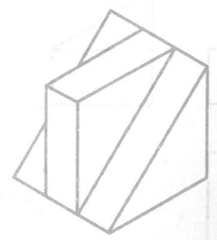

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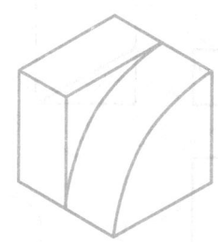

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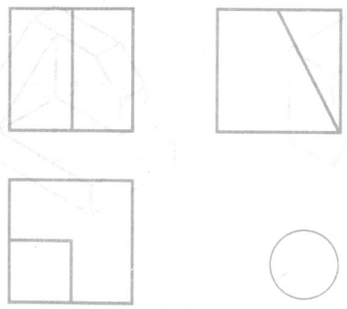

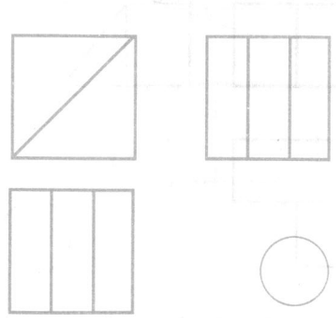

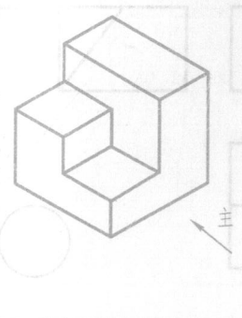

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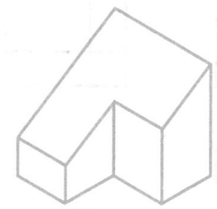

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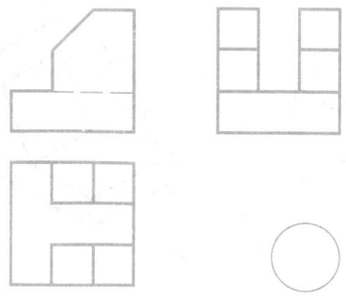
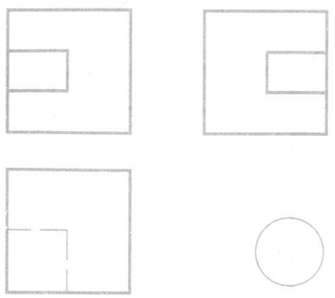
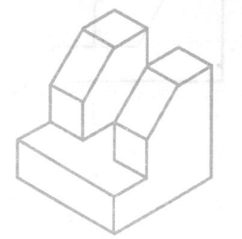


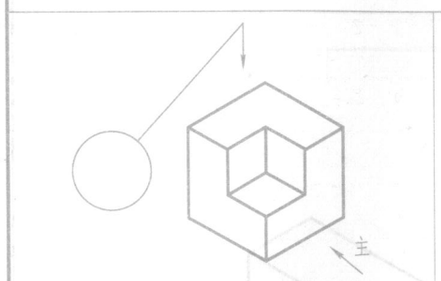


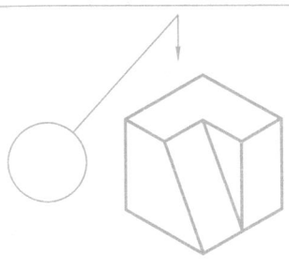
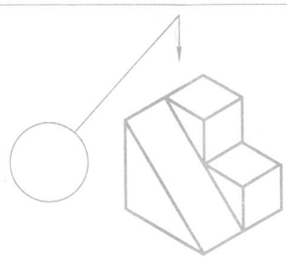
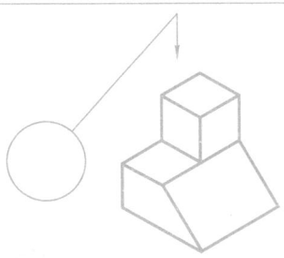
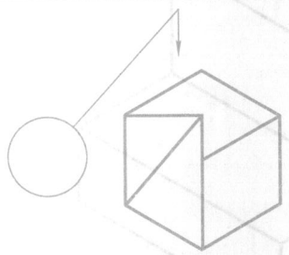
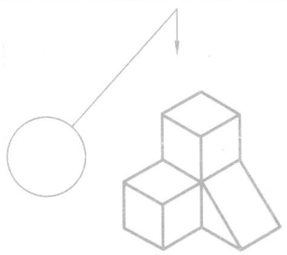
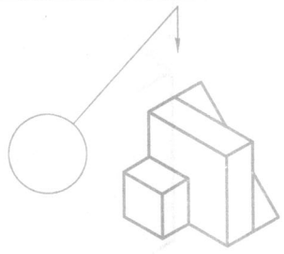
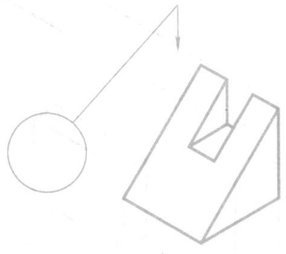
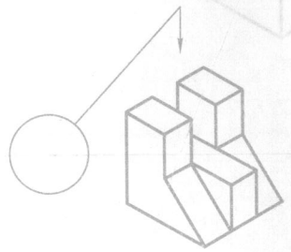
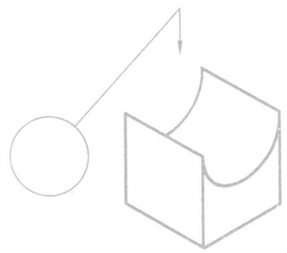
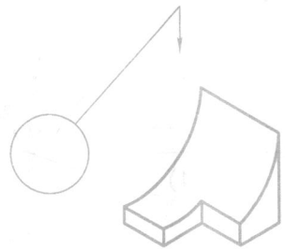
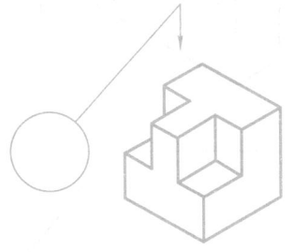
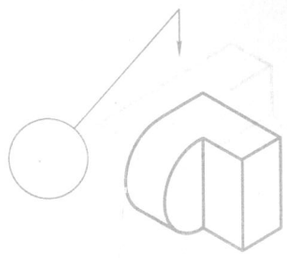
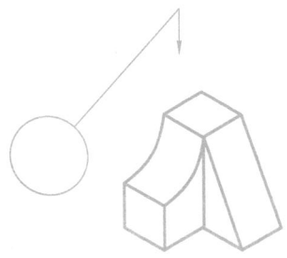
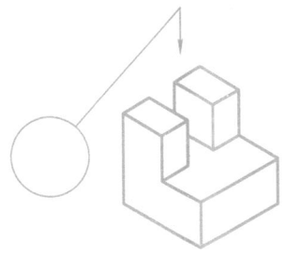
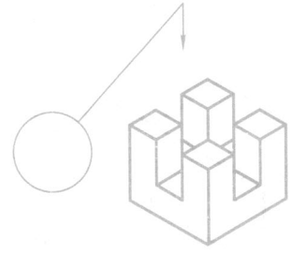
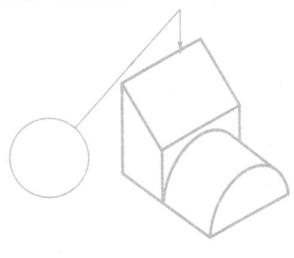
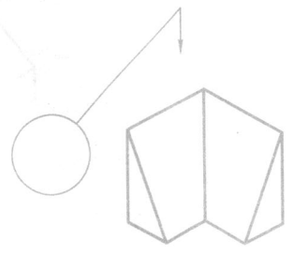
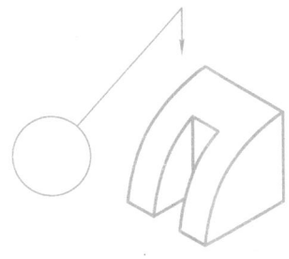
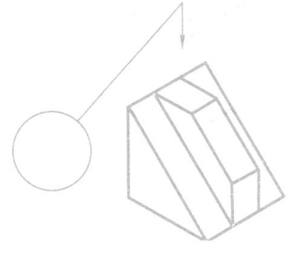


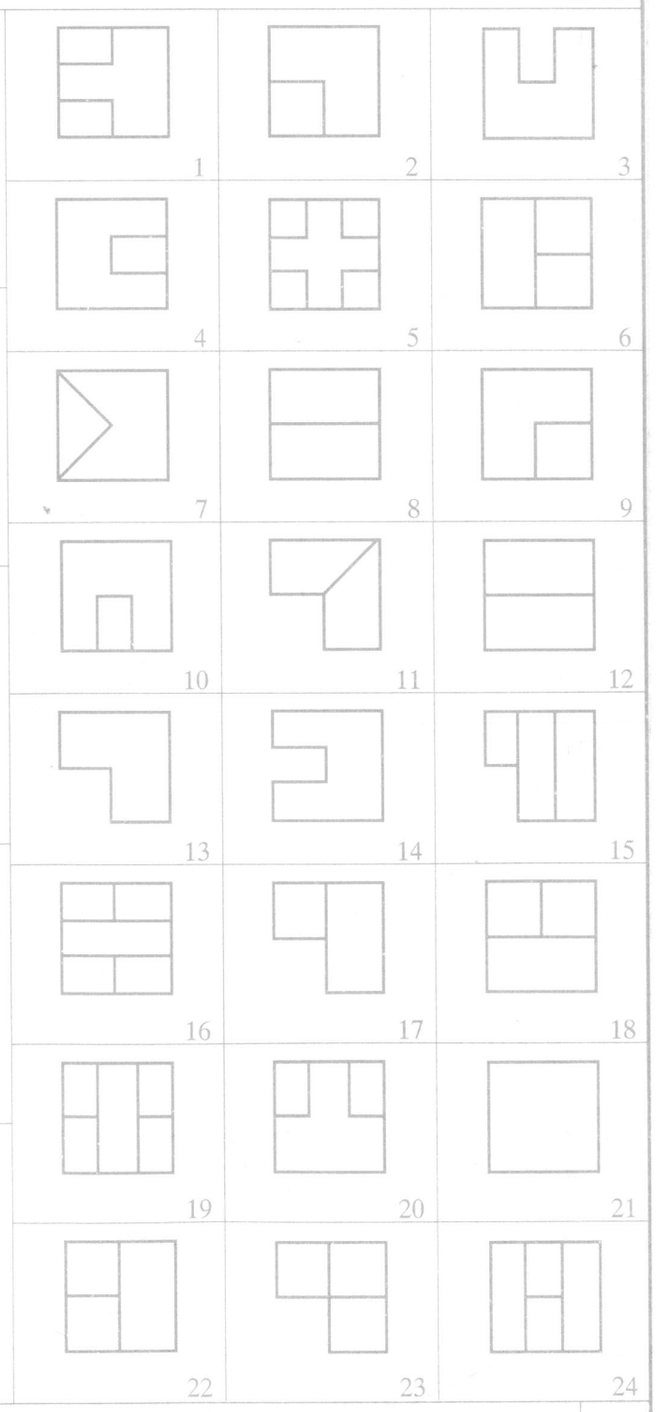
4

8

1-1-5　找出立体图箭头方向的视图，并填上相应的图号。





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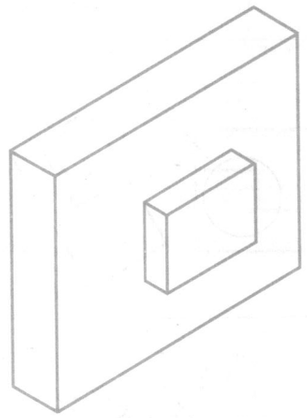
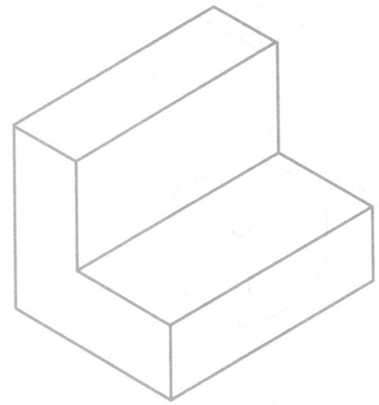
1-1-6　根据轴测图，画三视图。

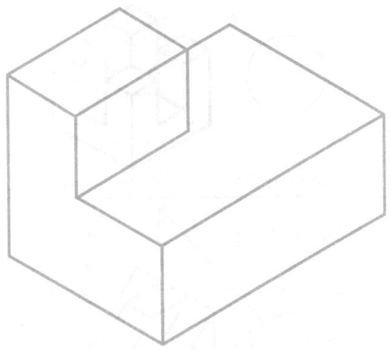
(1)



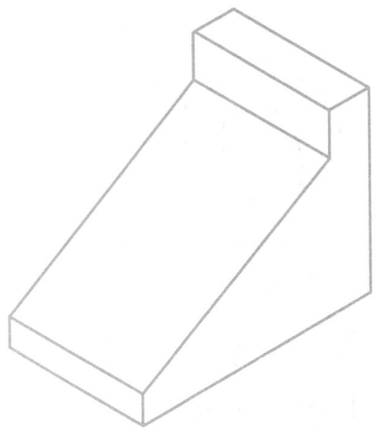
(2)



(3)

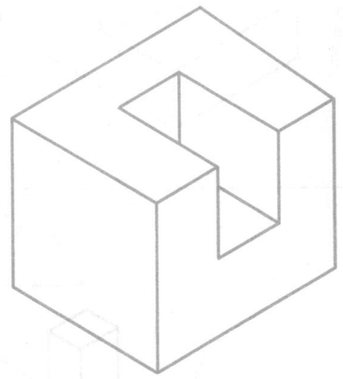


(4)

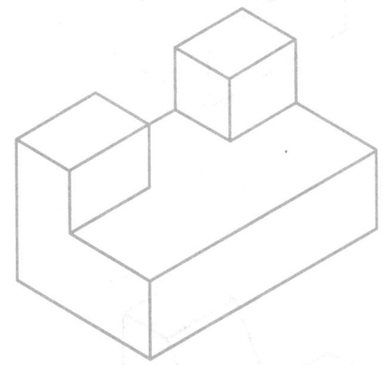


1-1-7　根据轴测图，画三视图。

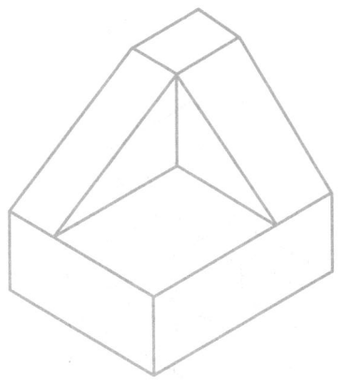
(1)



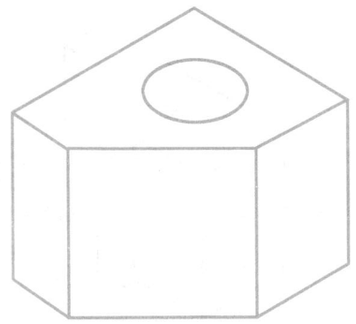
(2)



(3)



(4)



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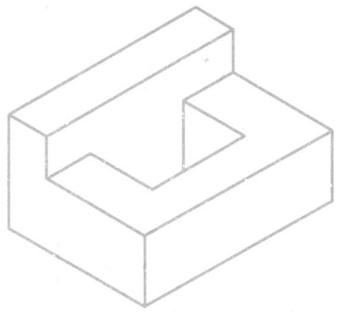
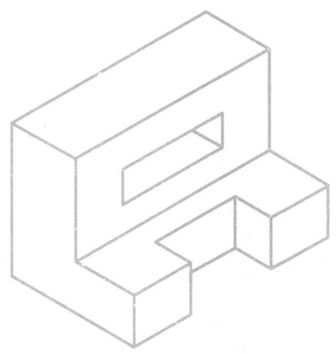
1-1-8　根据轴测图画三视图（大作业练习题）。

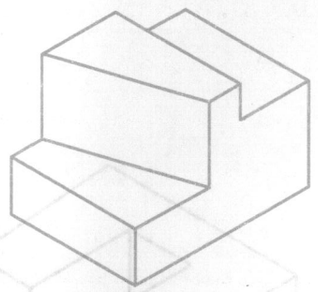
(1)



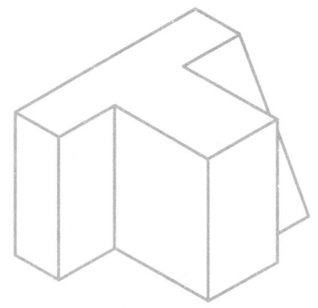
(2)



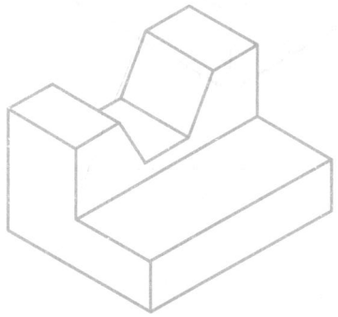
(3)



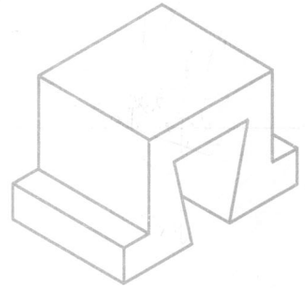
(4)



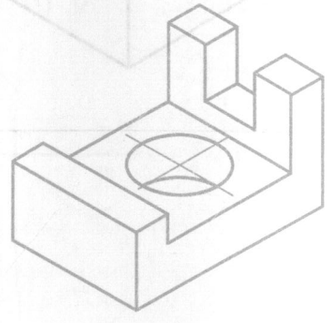
(5)



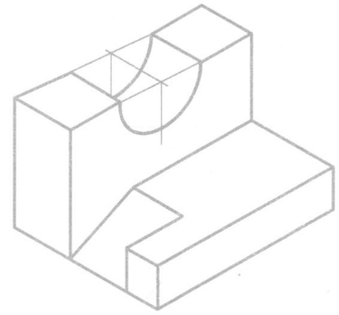
(6)



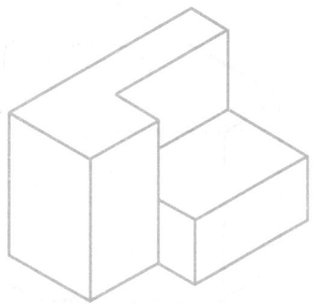
(7)



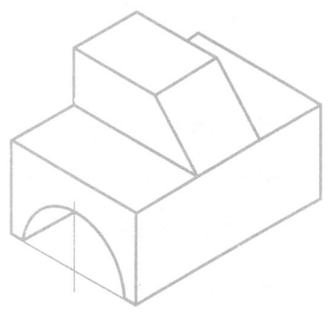
(8)



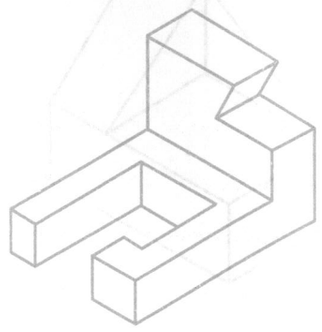
(9)



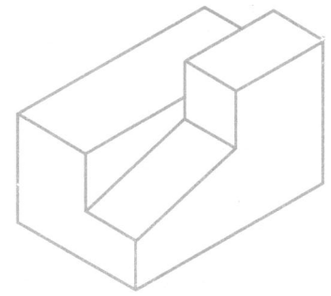
(10)



(11)

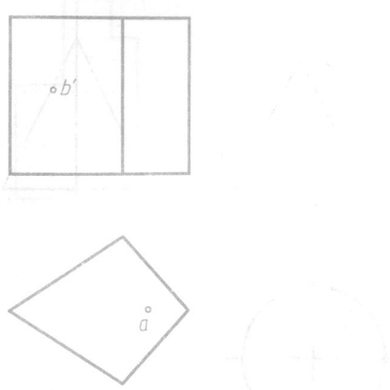


(12)

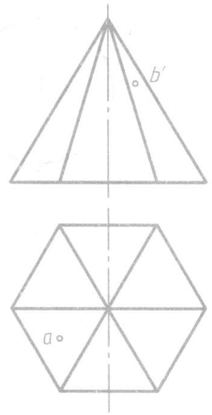


1-2-1　补画第三视图。

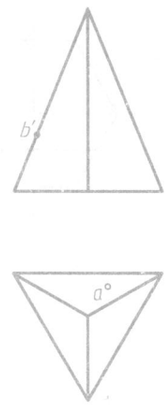
(1)



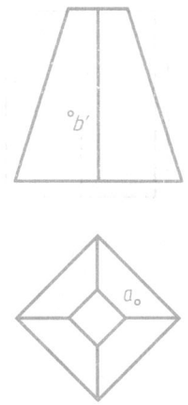
(2)



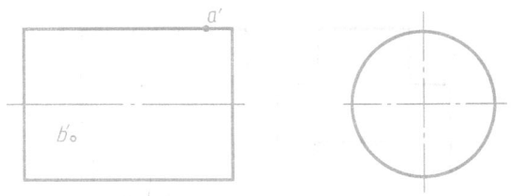
(3)



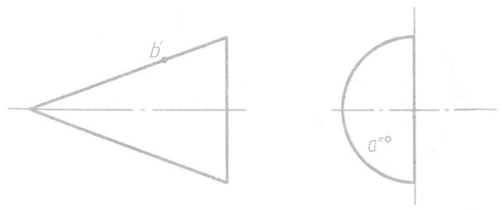
(4)



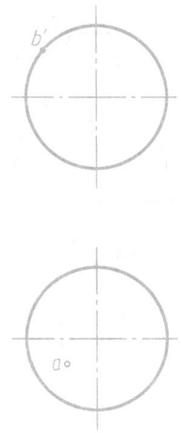
(5)



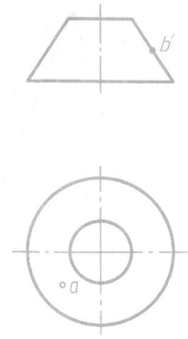
(6)



(7)



(8)



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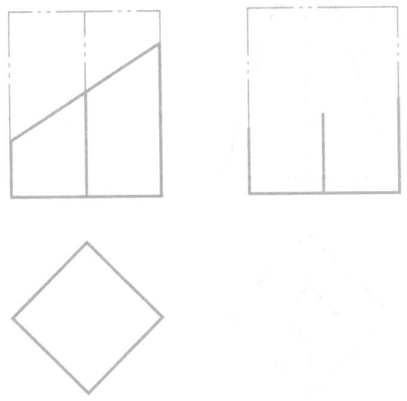
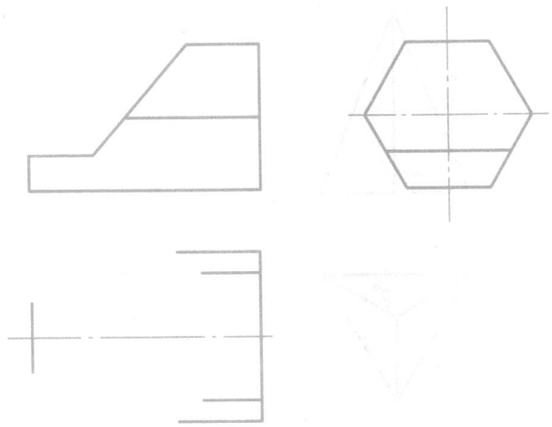
1-2-2　根据作平面与立体表面的交线，并补齐三视图。

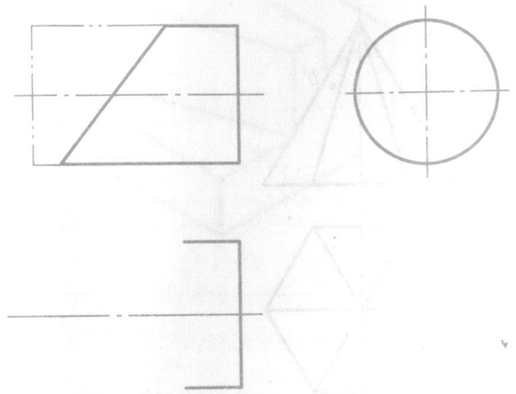
(1)



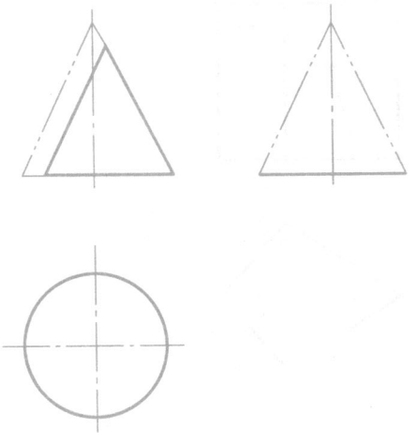
(2)



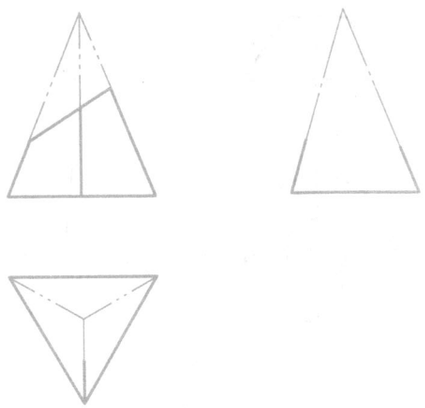
(3)



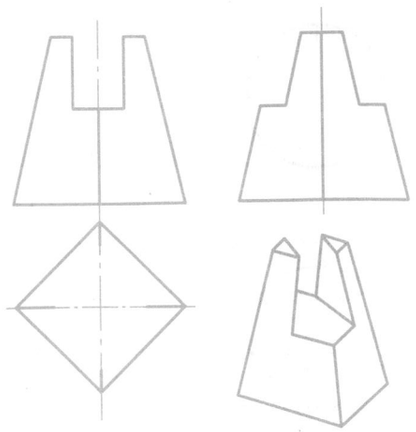
(4)



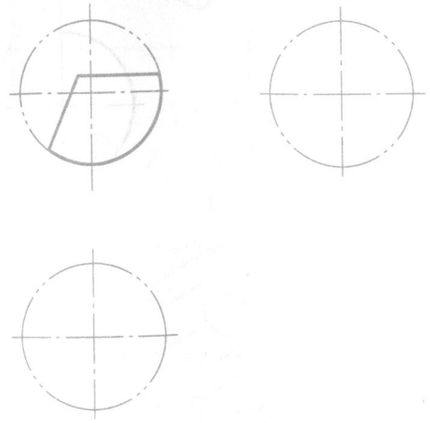
(5)



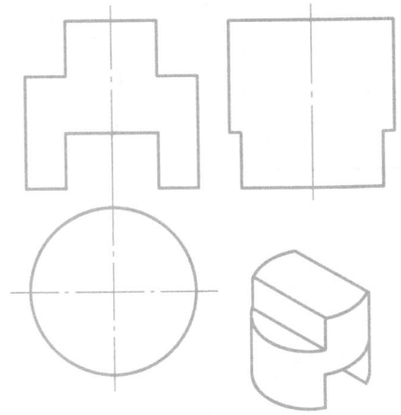
(6)



(7)

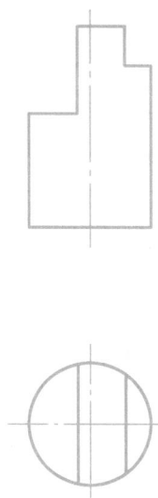


(8)

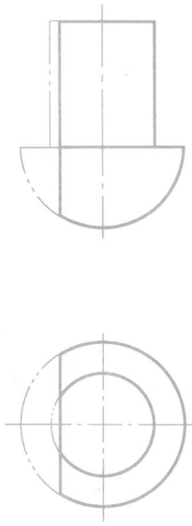


1-2-3　补画第三视图。

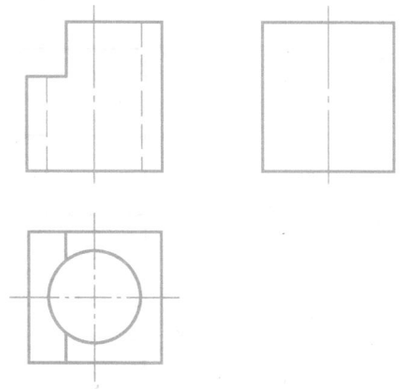
(1)



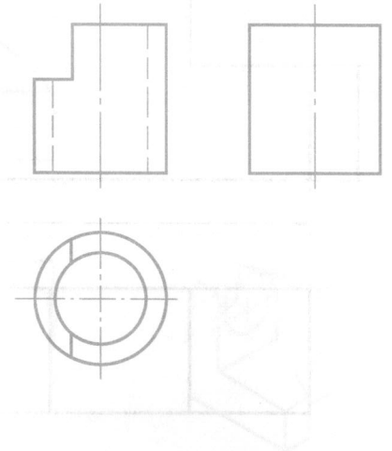
(2)



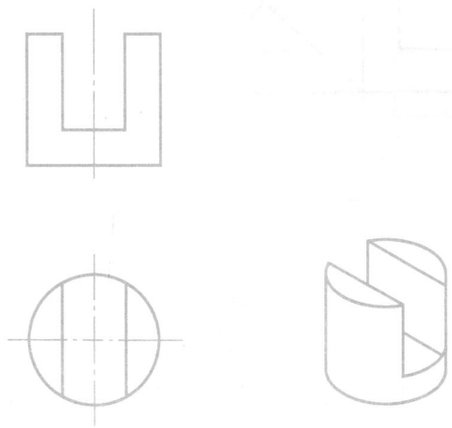
(3)



(4)



(5)



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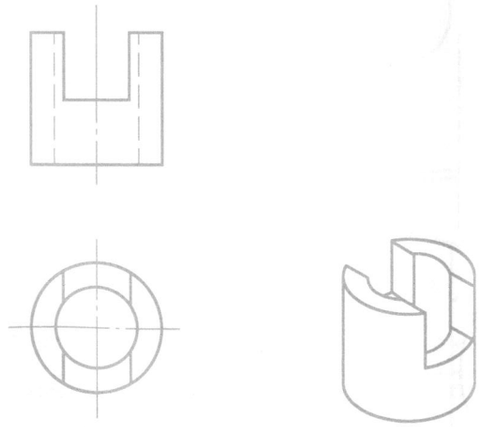

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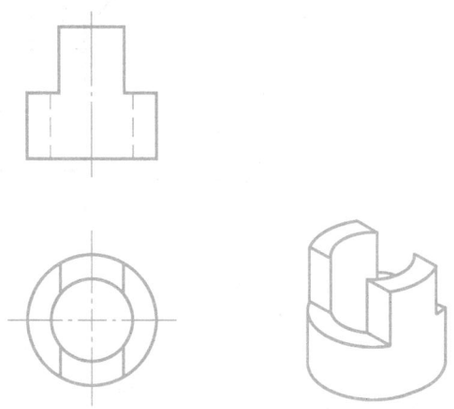

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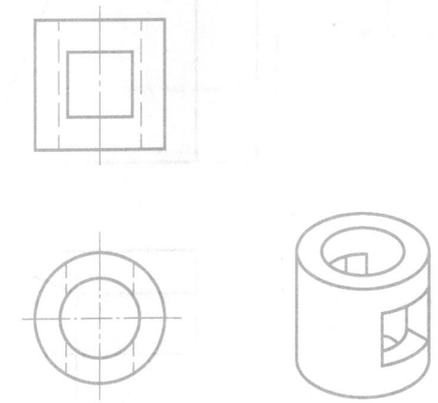
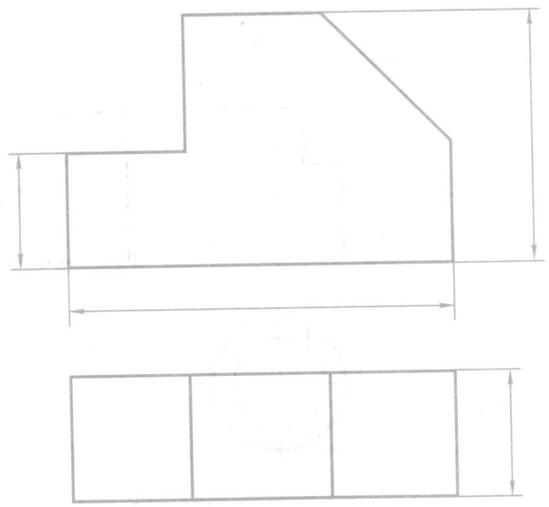
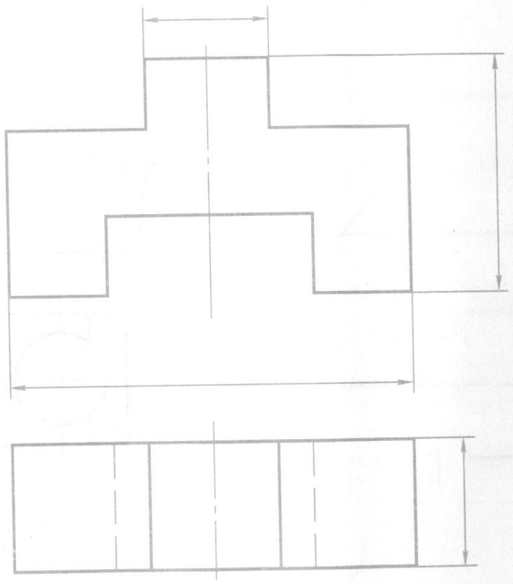


1-2-4　补齐视图中应注的尺寸（尺寸按1:1在图中量取）。

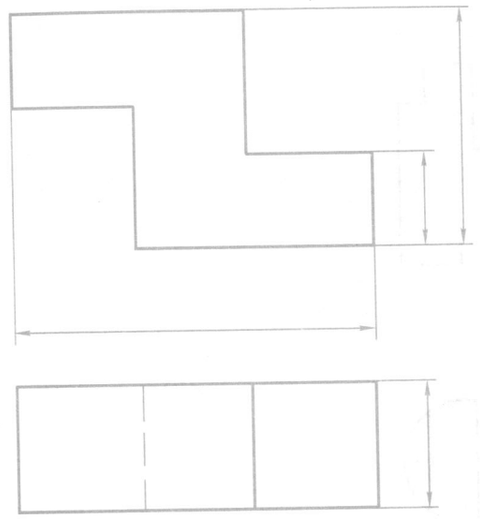
(1)



(2)



(3)



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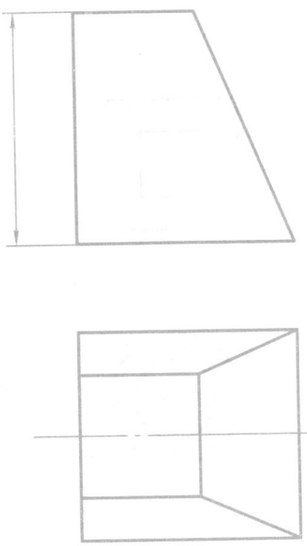

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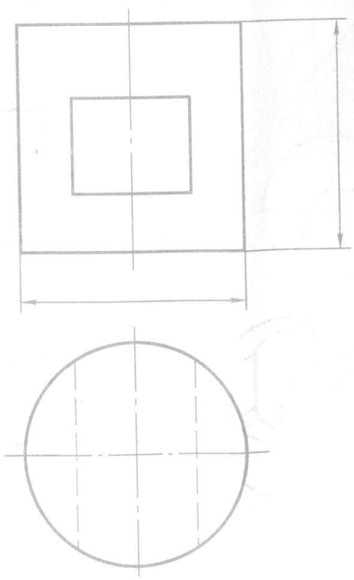

(6)