

中国高等职业技术教育研究会推荐

高职系列教材

工程制图习题集

主编 拓晓华 吕守祥

参编 包安源 吴让利

西安电子科技大学出版社

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前 言

本习题集与吕守祥主编的高等职业技术学校少学时《工程制图》教材配套使用。

本习题集在编写过程中，力求反映高职高专的教学特点，以高等职业教育的人才需求为出发点，根据高职高专的培养目标、教学要求和教育特点，结合制图教学改革实践经验，以读图为主，画图为辅，重点培养学生的空间思维能力。

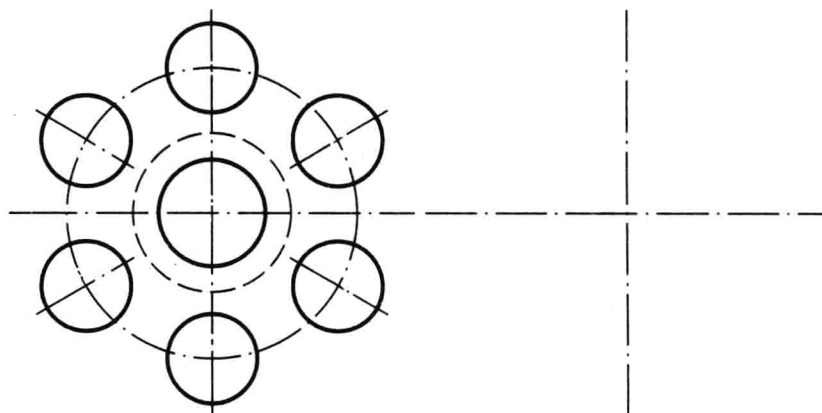
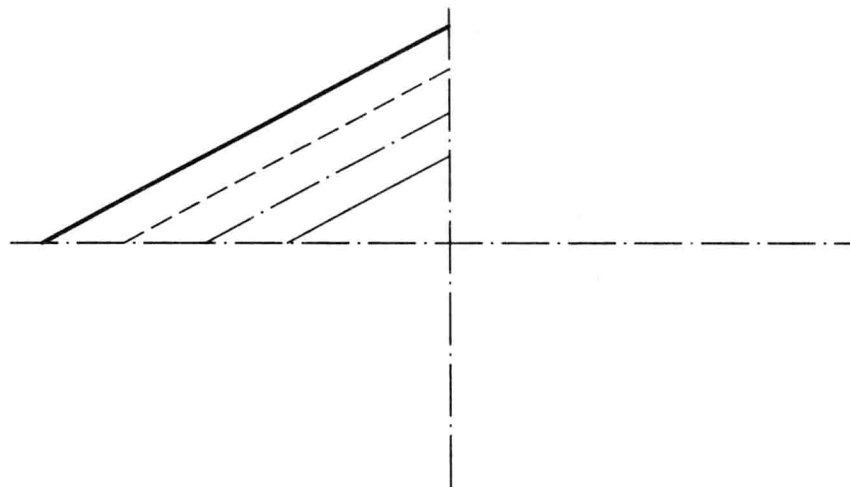
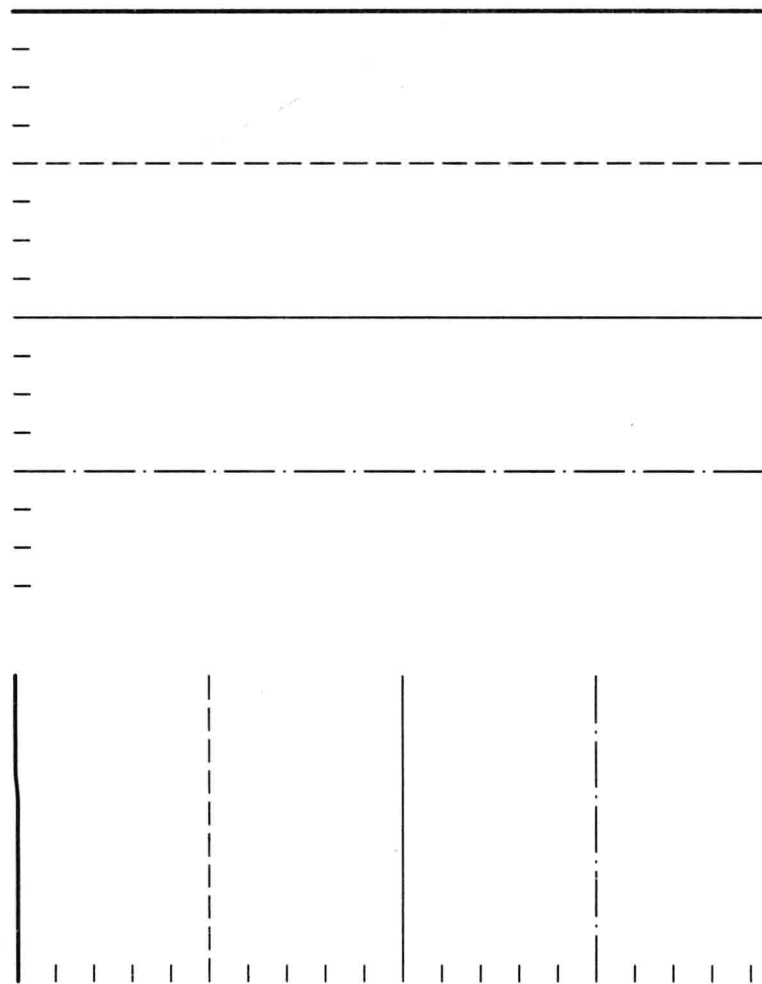
本习题集由拓晓华、吕守祥、包安源、吴让利编写，由拓晓华、吕守祥担任主编。

本习题集由西安电子科技大学张树亭担任主审。

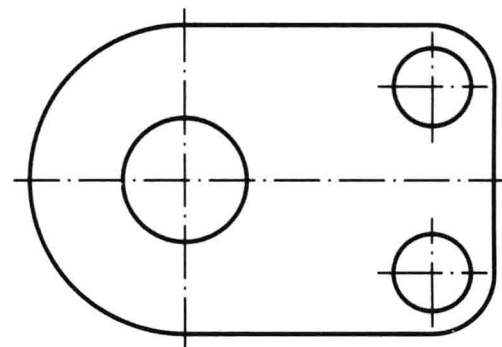
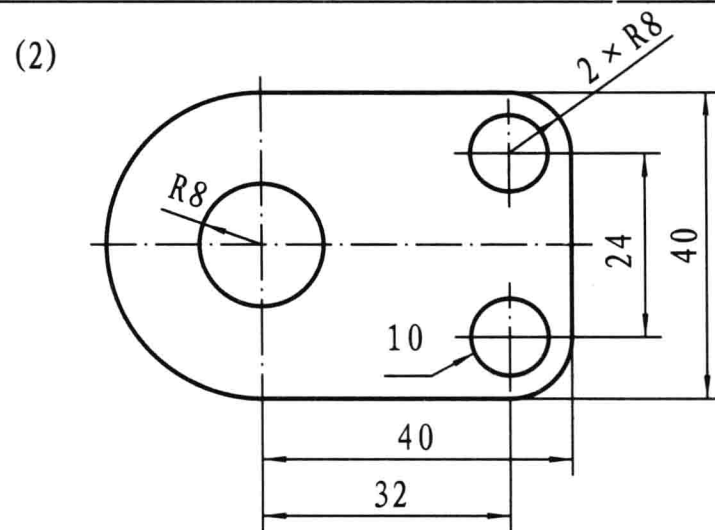
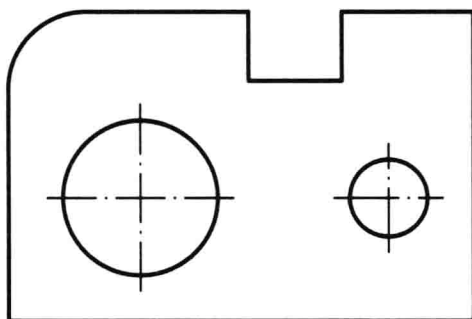
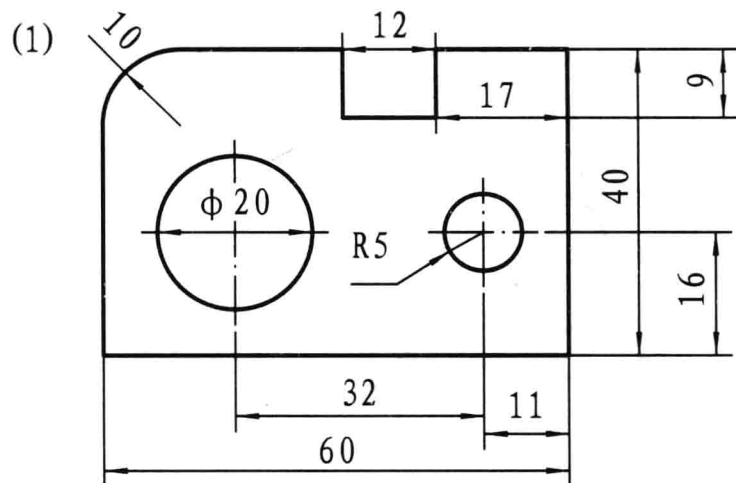
由于编者水平有限，加之编写时间仓促，书中的遗漏和错误在所难免，恳请读者批评指正。

编者
2002.4

1-1 在指定位置画出下列各图线:

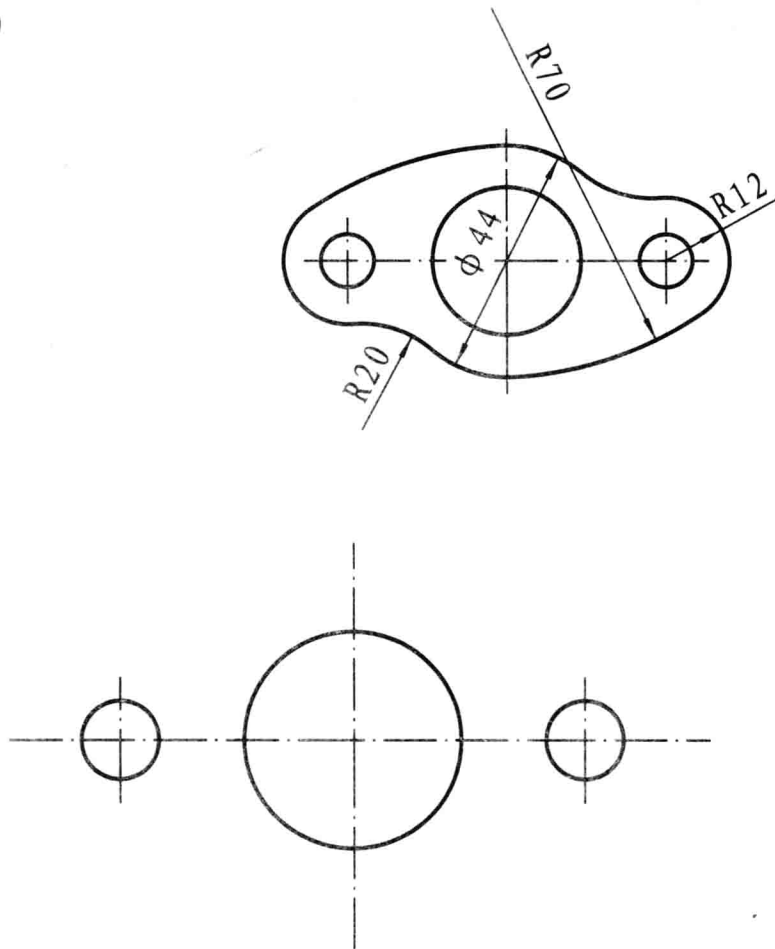


1-2 指出图中尺寸标注的错误，并在其下面的图中正确注出。

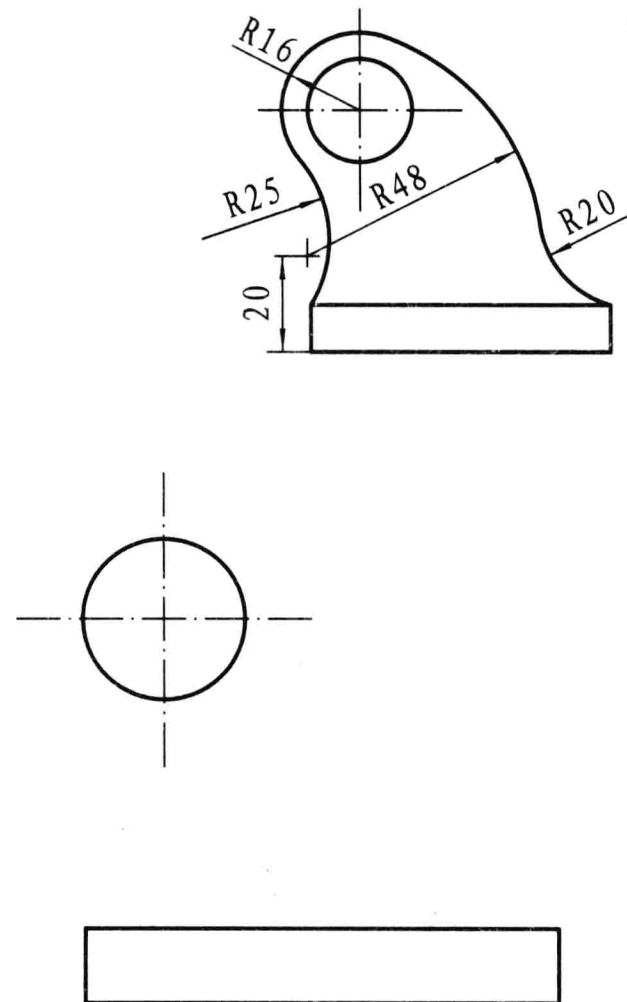


1-3 按图中所注尺寸，用1:1的比例完成下列图形的圆弧连接：

(1)

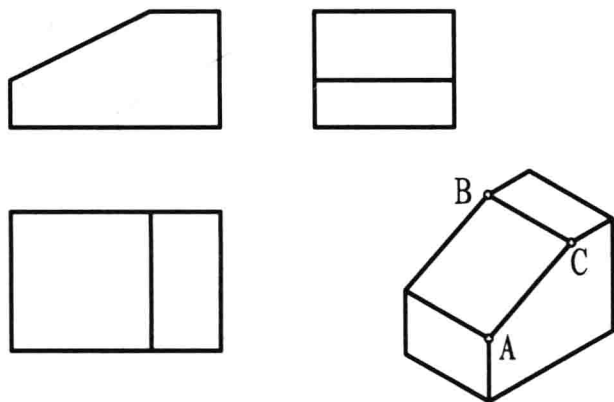


(2)

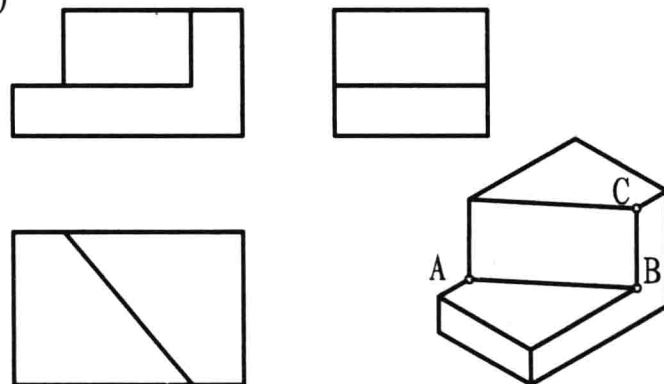


2-1 根据立体图，在三视图中标出点A、B、C的三面投影。

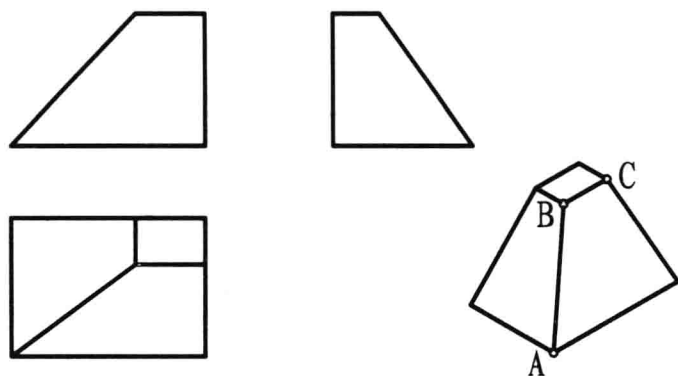
(1)



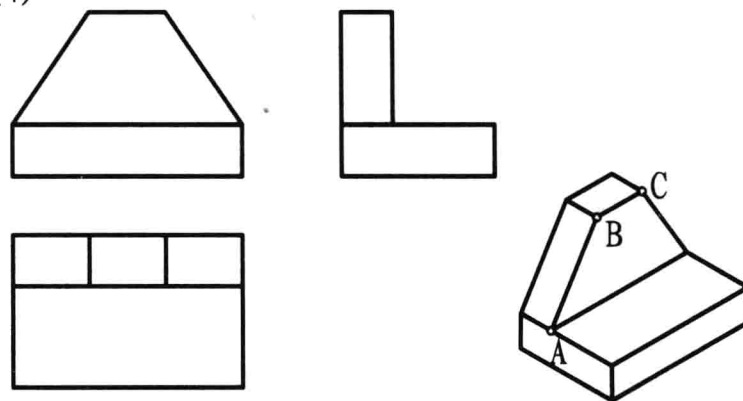
(2)



(3)

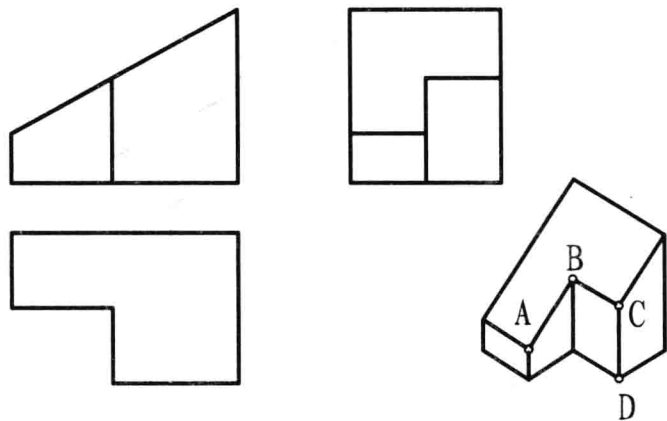


(4)



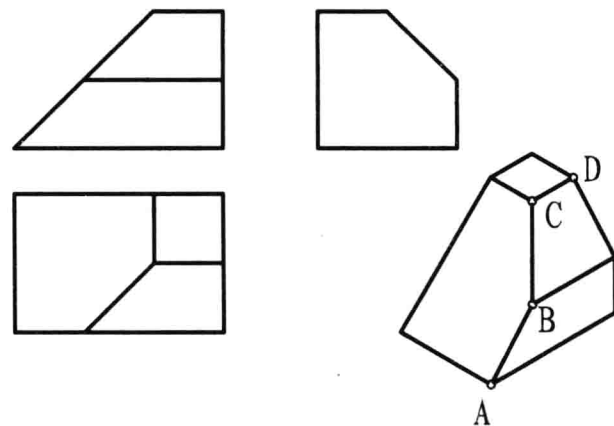
2-2 在三视图中标出直线AB、BC、CD的三面投影，并填空。

(1)



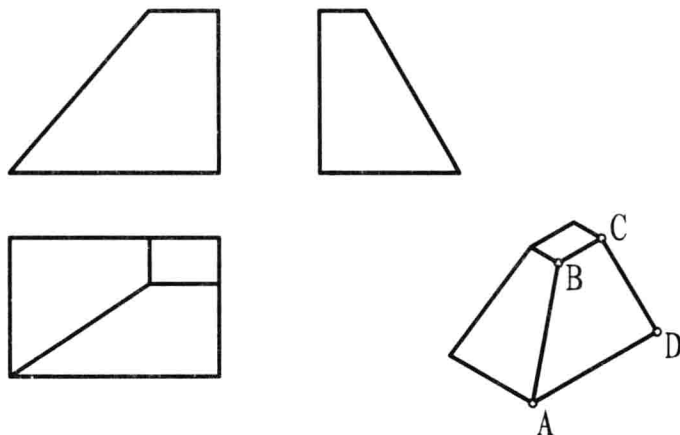
AB是____线, BC是____线, CD是____线

(2)



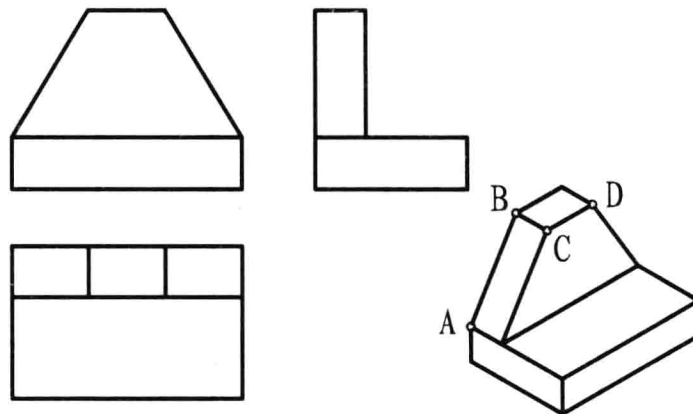
AB是____线, BC是____线, CD是____线

(3)



AB是____线, BC是____线, CD是____线

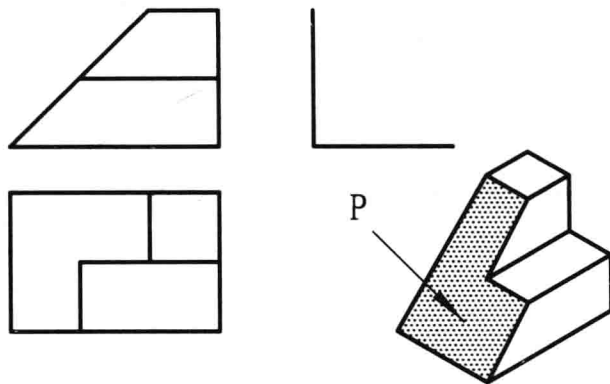
(4)



AB是____线, BC是____线, CD是____线

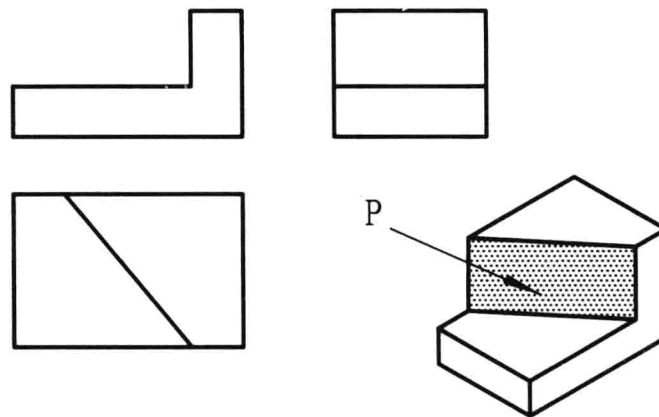
2-3 在三视图中完成平面P的三面投影，并填空。

(1)



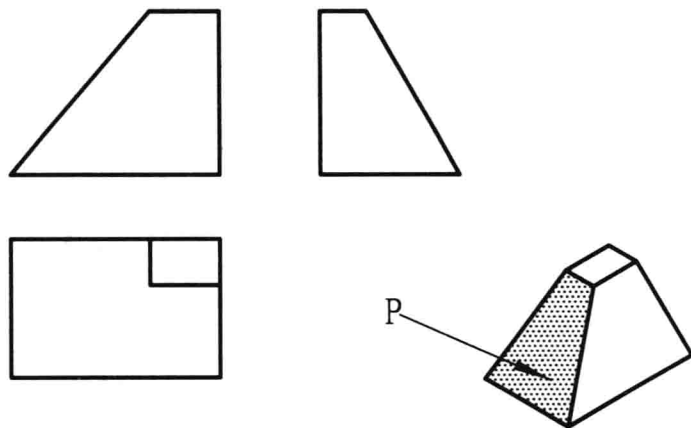
平面P是_____面

(2)



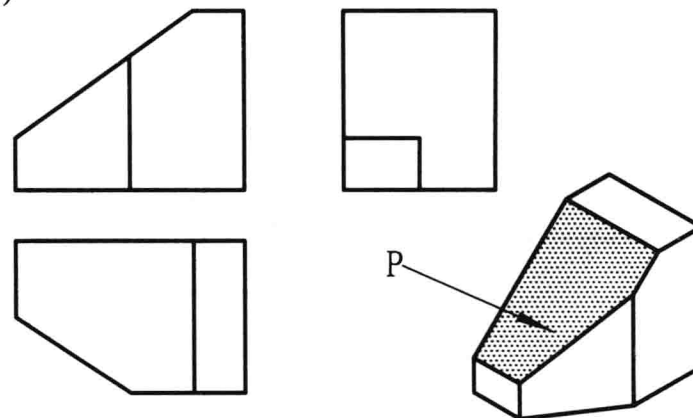
平面P是_____面

(3)



平面P是_____面

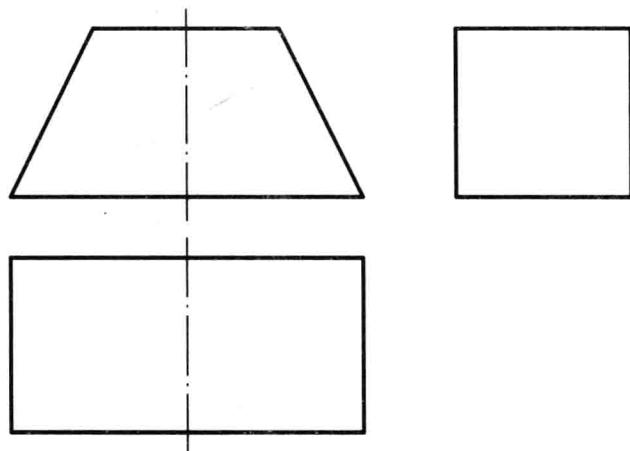
(4)



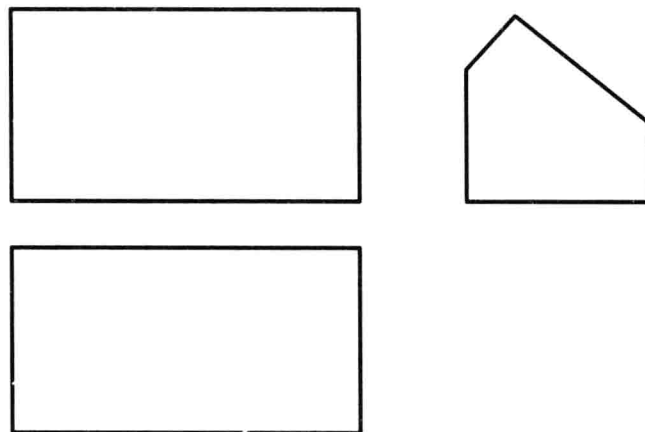
平面P是_____面

3-1 补画下列平面体三视图中所缺的图线:

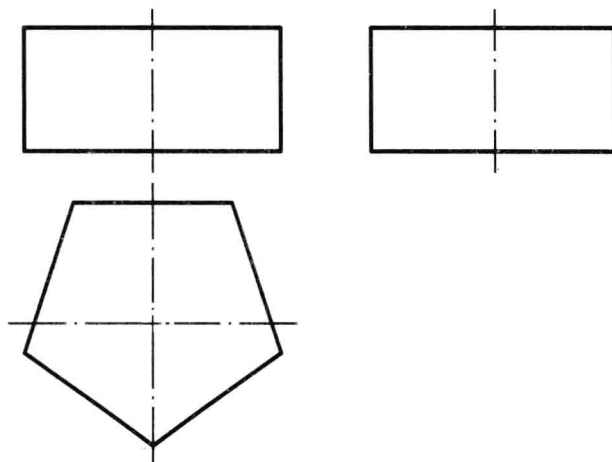
(1)



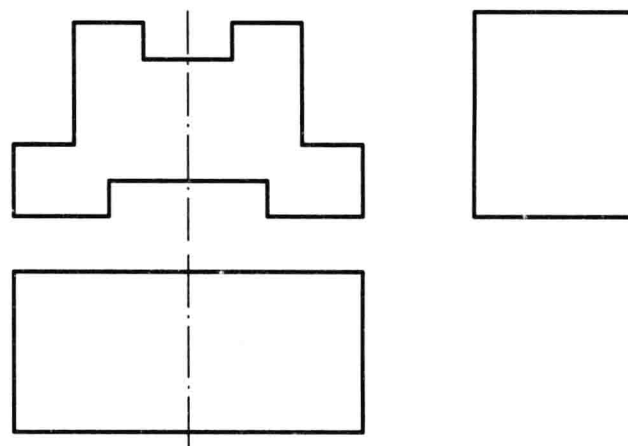
(2)



(3)

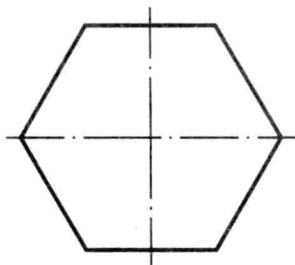
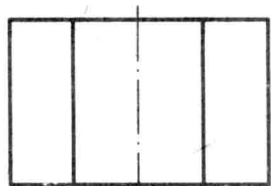


(4)

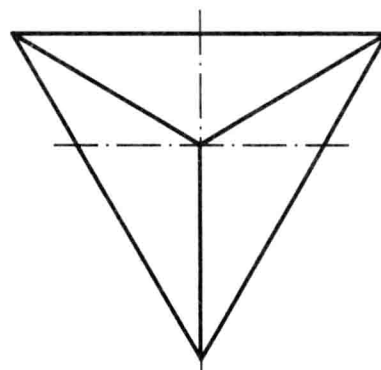
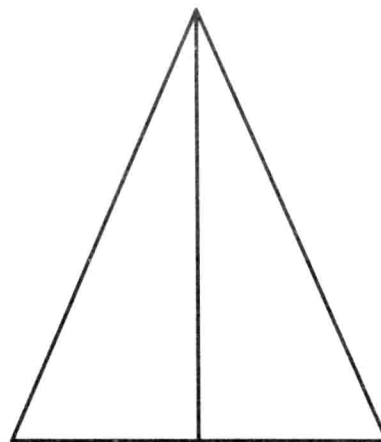


3-2 补画左视图。

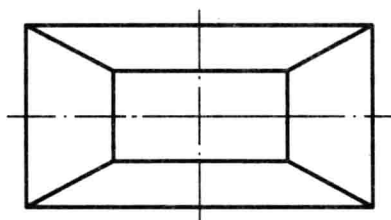
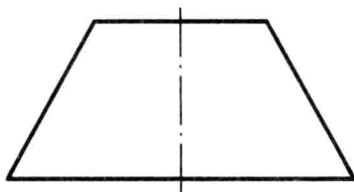
(1)



(2)

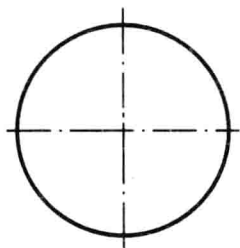


(3)

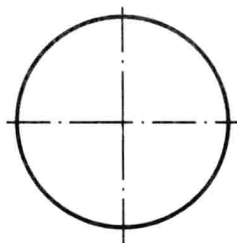


3-3 完成下列回转体的三视图:

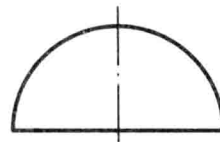
(1) 圆柱体 (高度 20 mm)



(2) 圆锥体 (高度 20 mm)

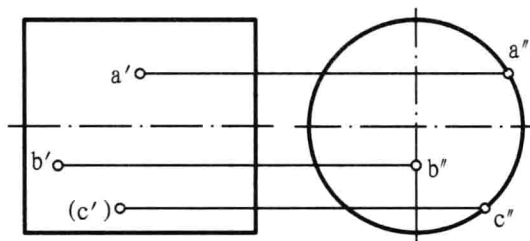


(3) 1/2圆球

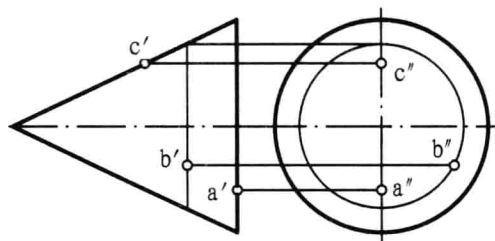


3-4 判断点是否在回转体表面上。

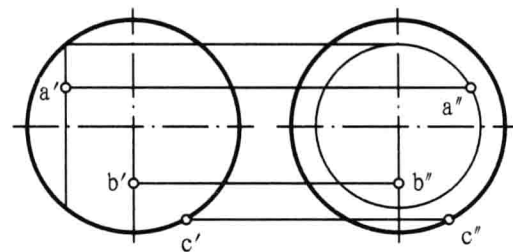
(1) _____ 点在圆柱表面上



(2) _____ 点在圆锥表面上

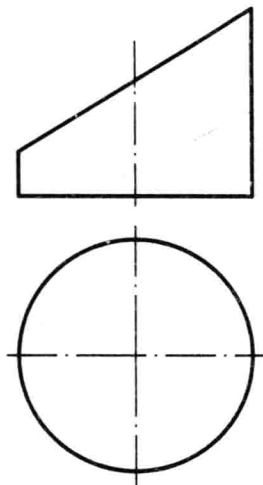


(3) _____ 点在圆球表面上

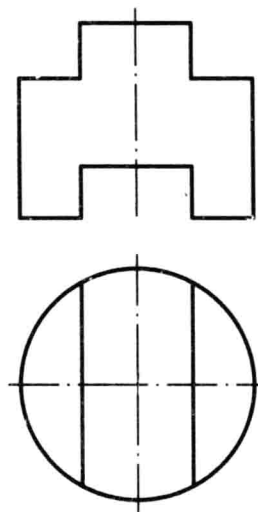


3-5 补画左视图。

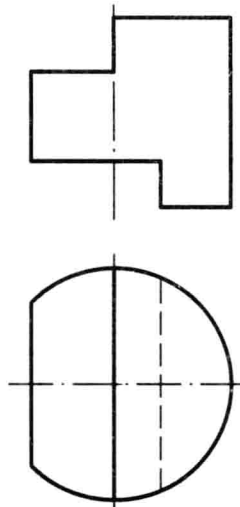
(1)



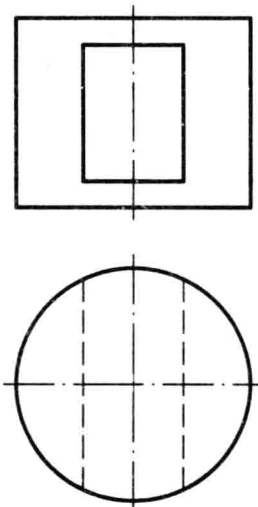
(2)



(3)

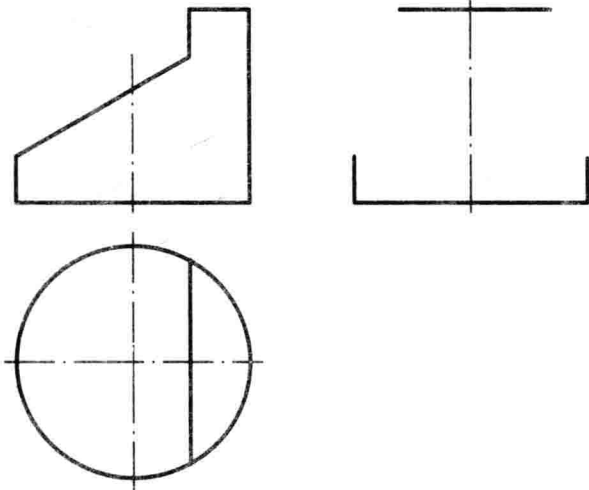


(4)

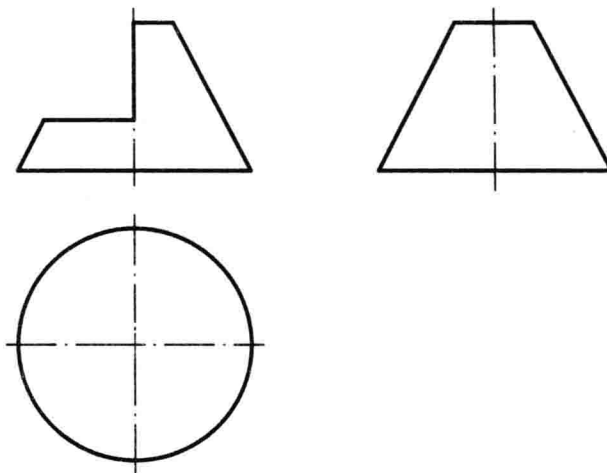


3-6 补画视图中所缺的图线。

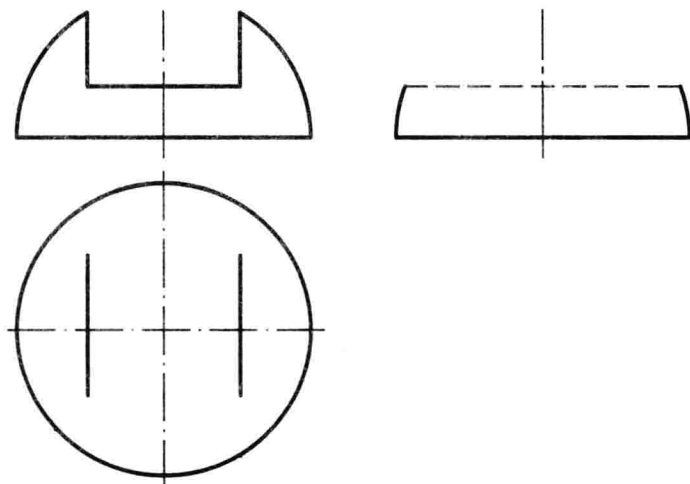
(1)



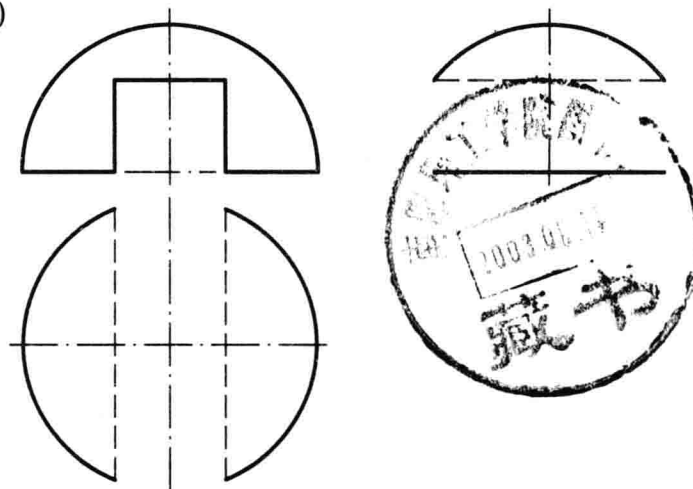
(2)



(3)

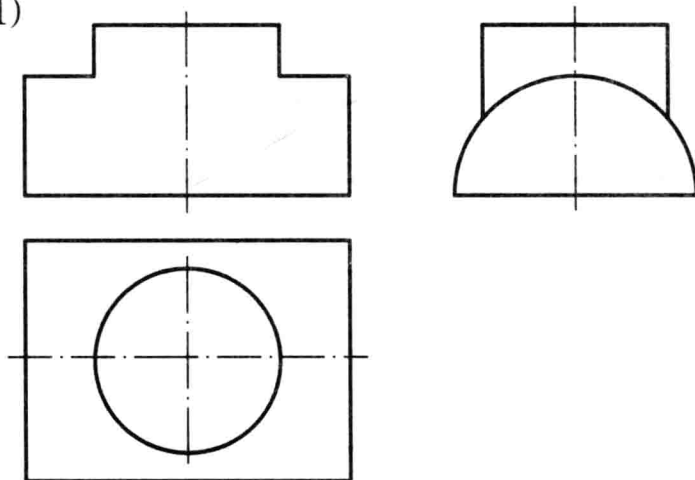


(4)

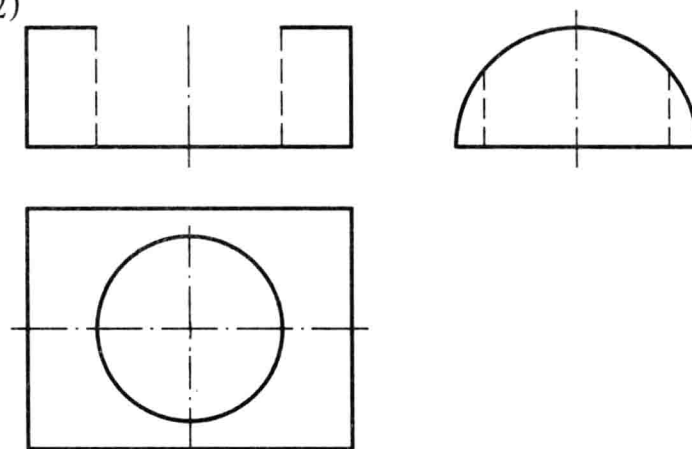


3-7 分析相贯线的投影, 补画视图中所缺的图线。

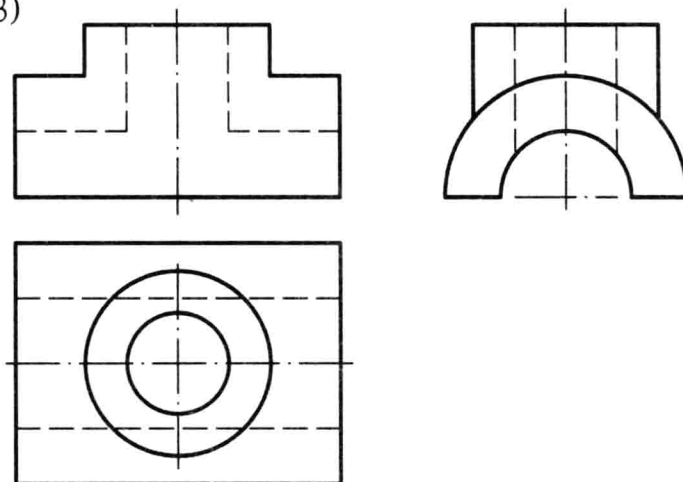
(1)



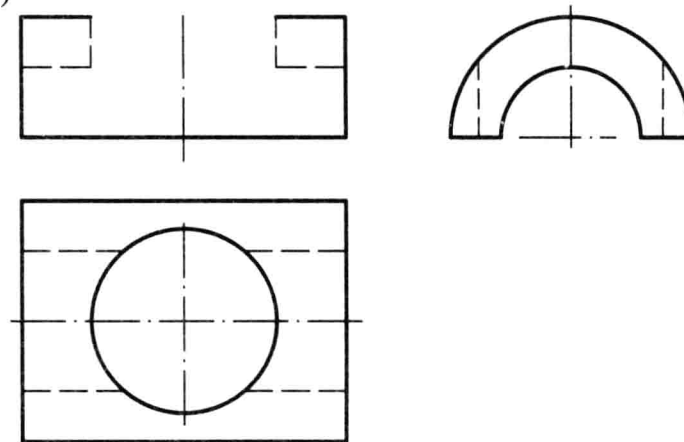
(2)



(3)

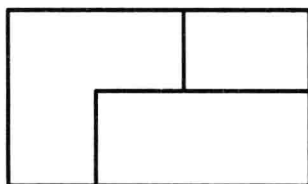
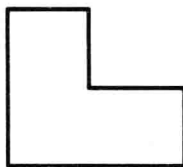
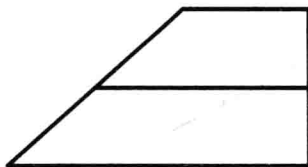


(4)

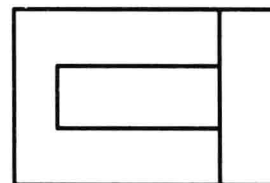
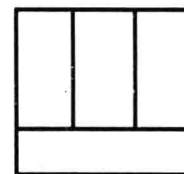
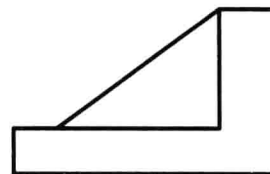


4-1 用1:1的比例画出下列平面体的正等测:

(1)

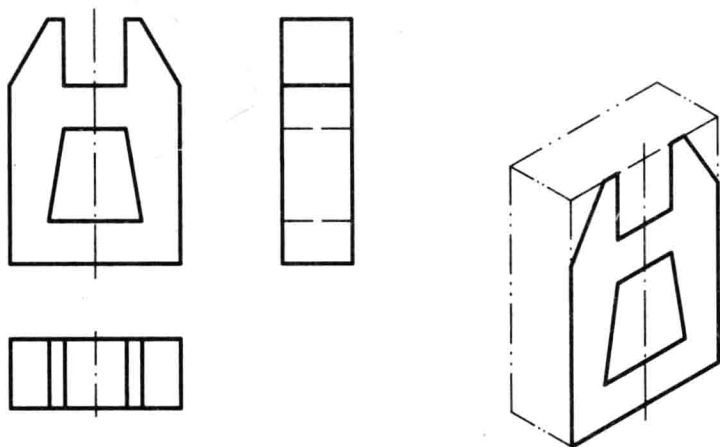


(2)

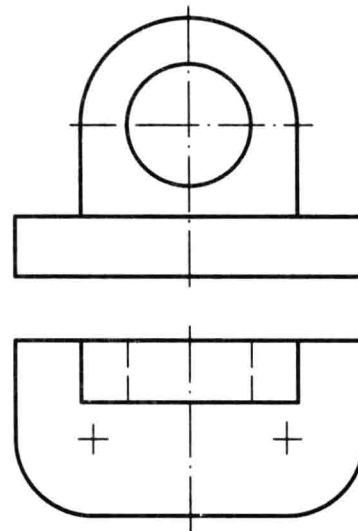


4-2 画出下列物体的正等测:

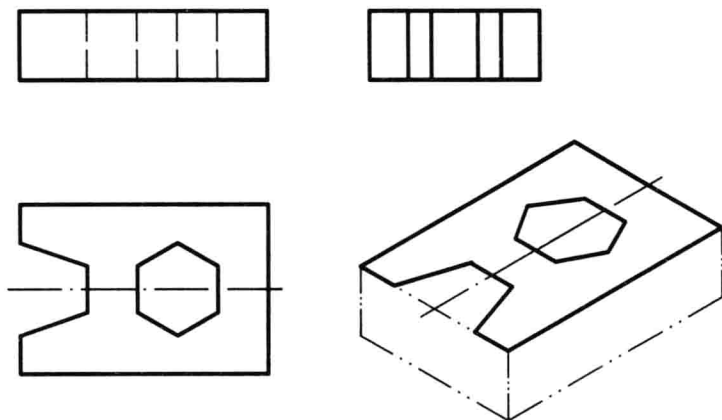
(1)



(2)

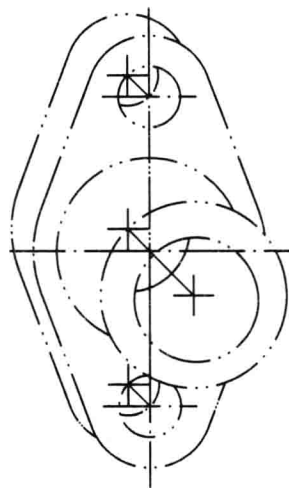
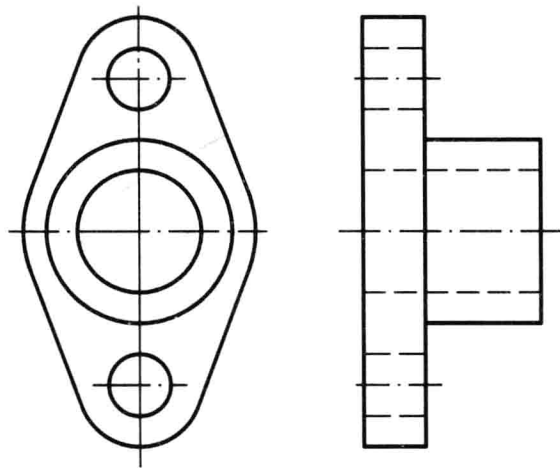


(3)



4-3 徒手完成下列物体的斜二测:

(1)



(2)

