

中国高等职业技术教育研究会推荐

高职系列教材

机械制图习题集

(机械类专业适用)

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副主编 吴让利

西安电子科技大学出版社

TH126-44
26

11-1 字体练习

机 械 制 图 字 体 工 整 笔 画 清 楚 间 隔 均 匀 排 列 整 齐 横 平 坚 直 填 满 方 格 字 体 长 仿 宋

RV07/164/01



北京服装学院图书馆



00199603

1-1 四聯煤油

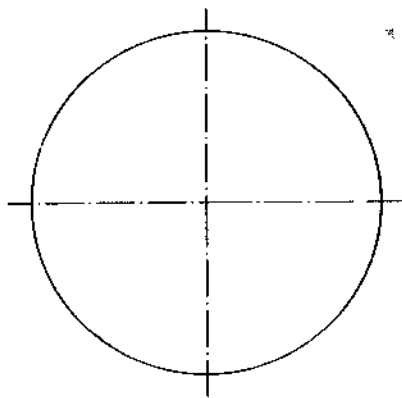
宋仿长体字方格方正填满直坚平横齐整排列均匀间隔清楚画笔工整字体图制机械

45426611358K11P4RS6PE2X206000fghj67U.WXyZ1234567890 10

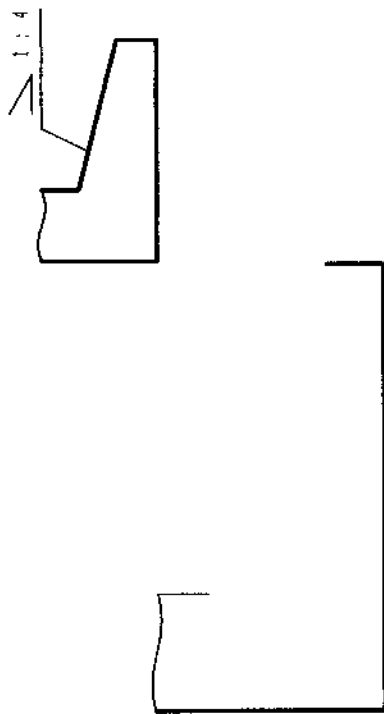
ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz01234567890-_.!@#\$%^&*~`|}{[]\;:/?><,~'"(){}

1-3 作圆内接正多边形、斜度、锥度。

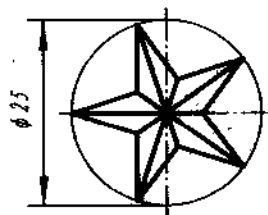
(1) 作圆的内接正六边形。



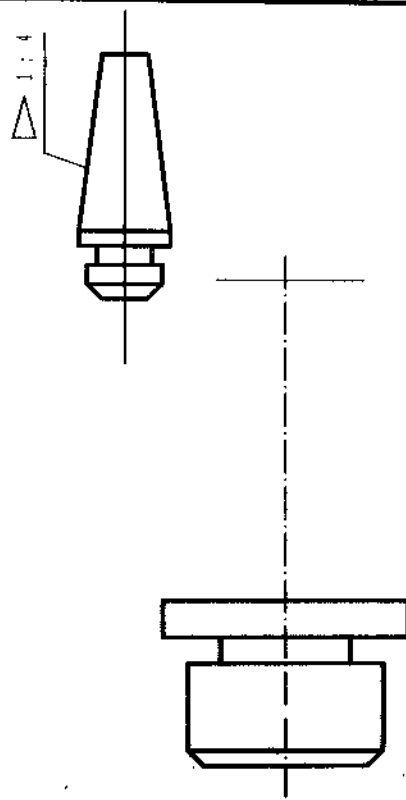
(2) 参照右上角所示图形, 按斜度 1:4 完成下图轮廓, 并用代号标注。



(3) 参照右上图, 在指定位置完成图形。

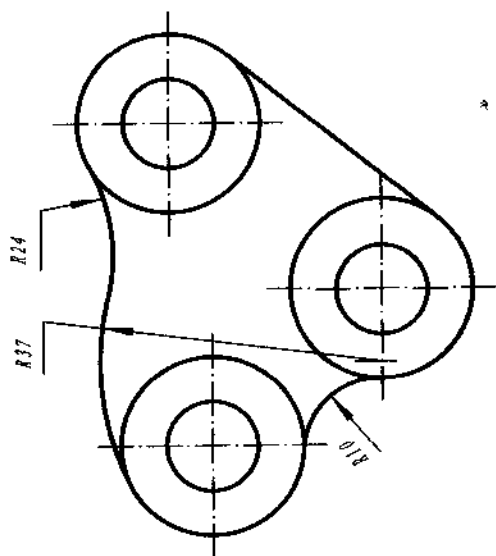


(4) 参照右上图, 完成下图轮廓, 并用代号标注。

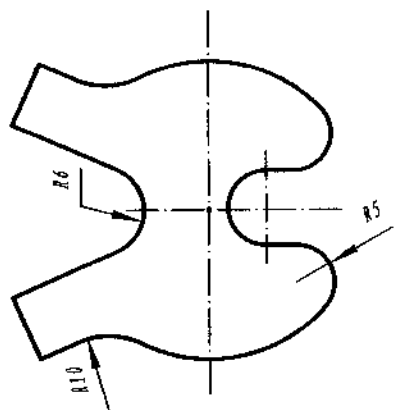


1-4 按(1)、(2)图形所示的尺寸,完成(3)、(4)图形。

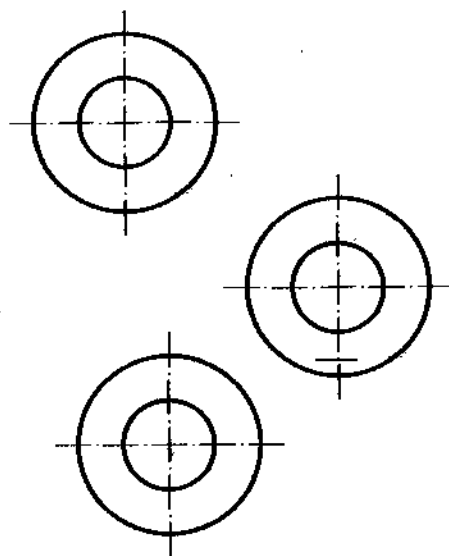
(1)



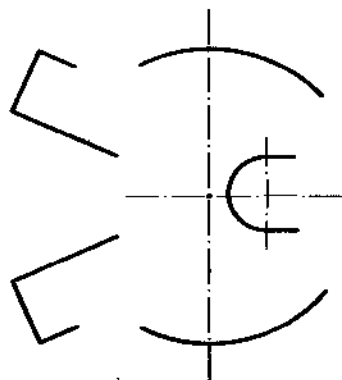
(2)



(3)



(4)



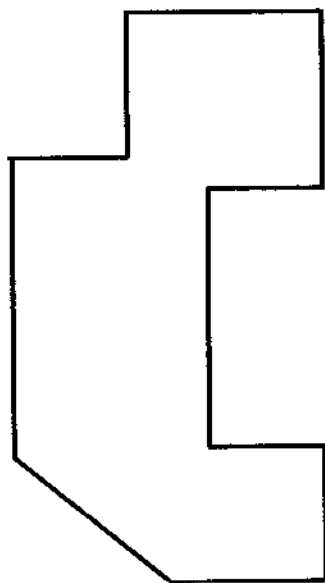
姓名

班级

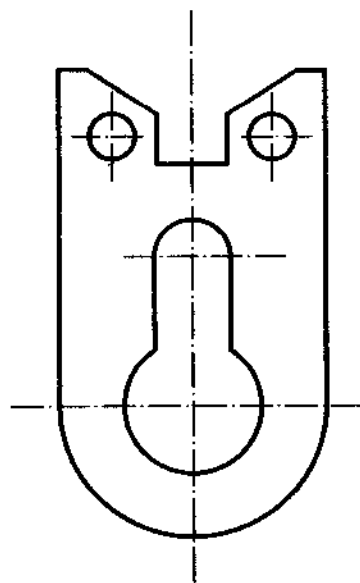
—4—

1-5 标注下面平面图形的尺寸。

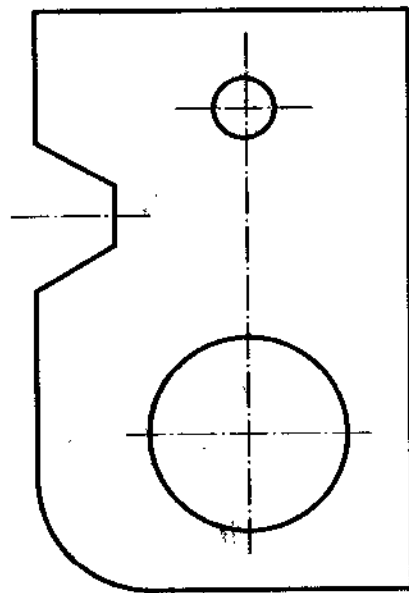
(1)



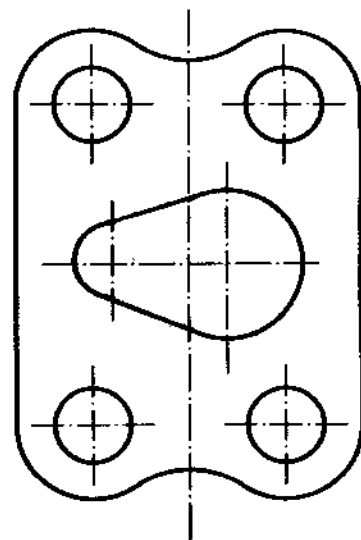
(2)



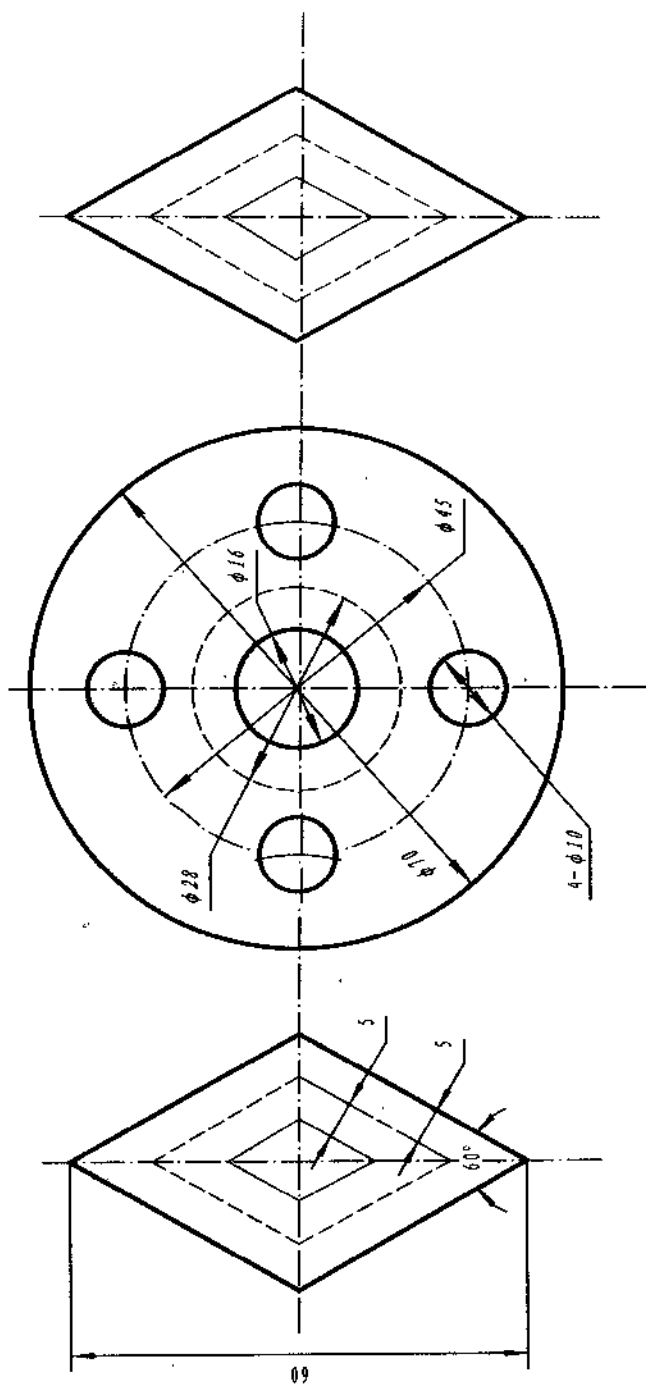
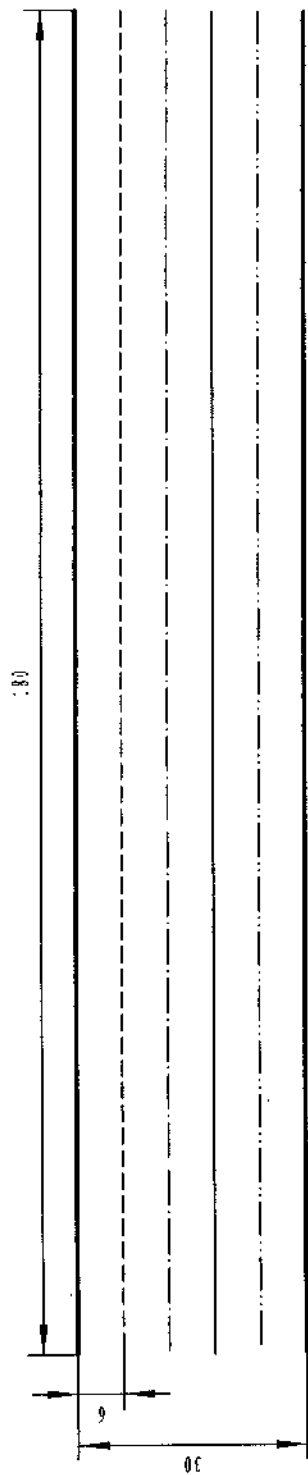
(3)



(4)

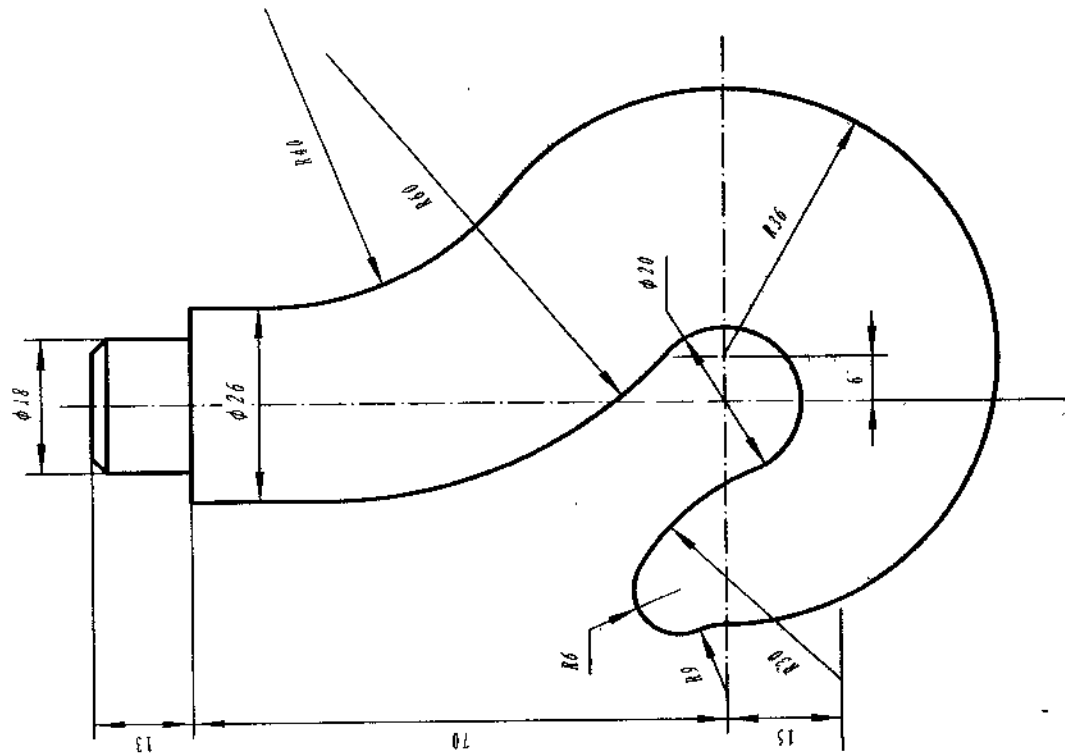


1-6 图线及尺寸作业题。

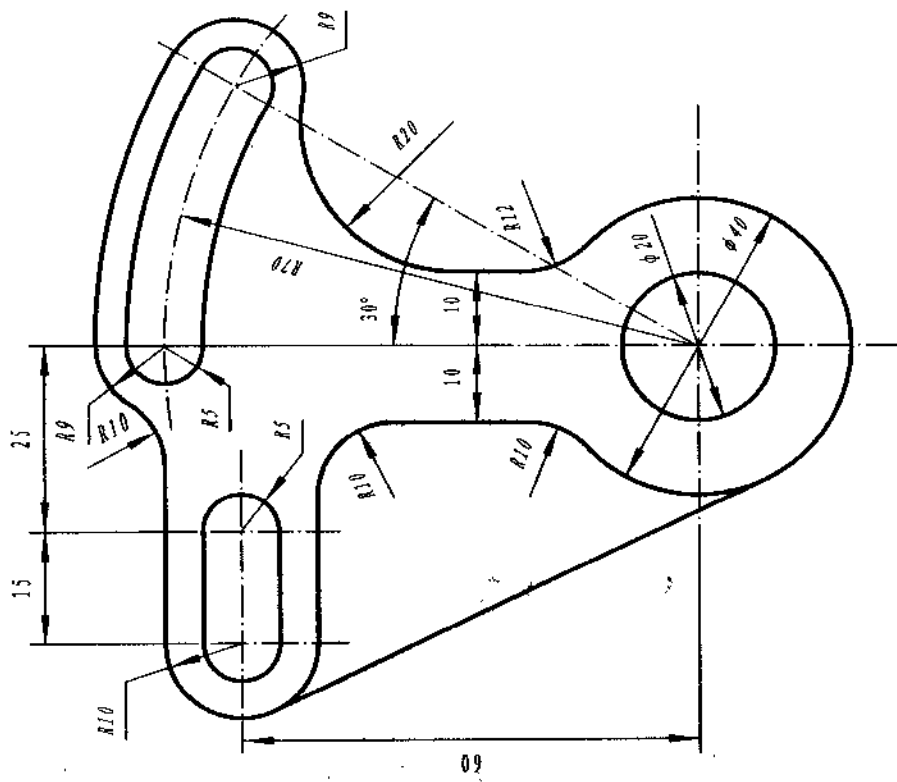


1-7 平面图形及尺寸标注作业题。

(1)

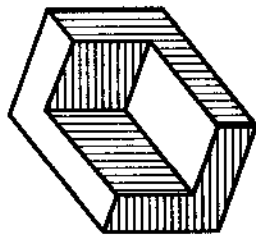
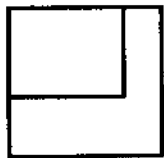
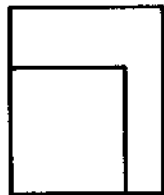


(2)

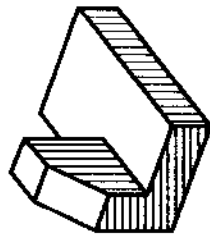
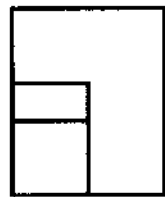


2-1 根据轴测图补画第三视图。

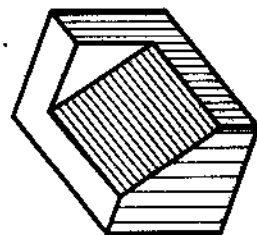
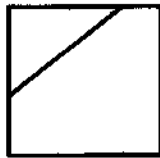
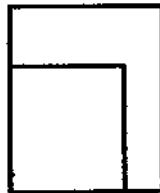
(1)



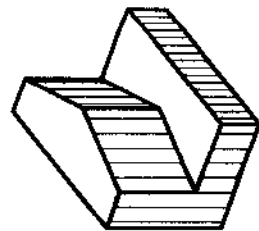
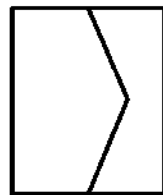
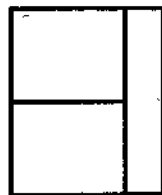
(2)



(3)

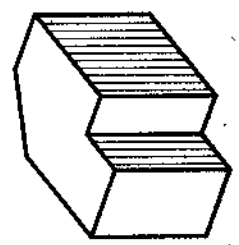
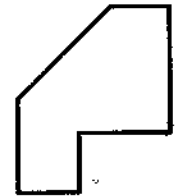
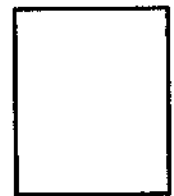


(4)

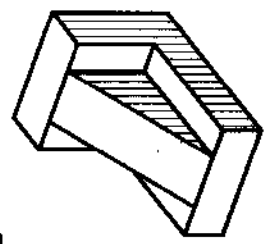
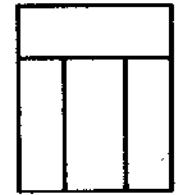
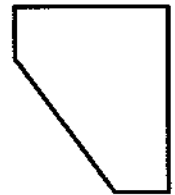


2-2 根据轴测图补画视图中漏线。

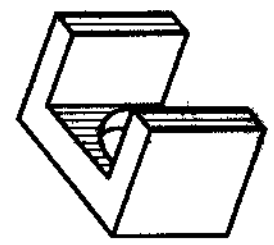
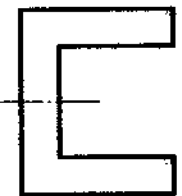
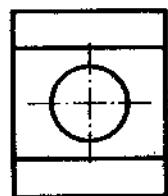
(1)



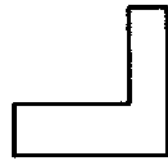
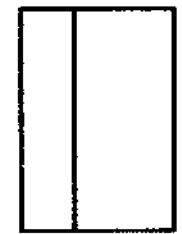
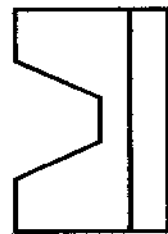
(2)



(3)

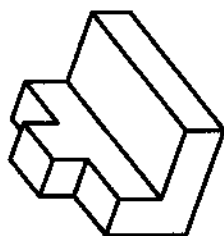


(4)

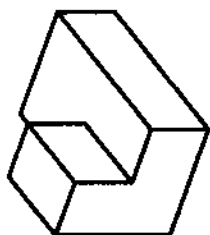


2-3 根据轴测图画三视图。

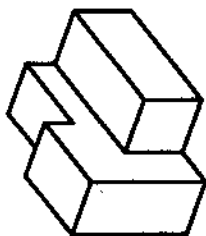
(1)



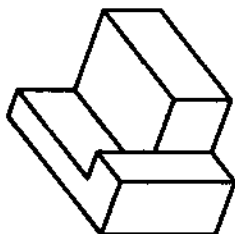
(2)



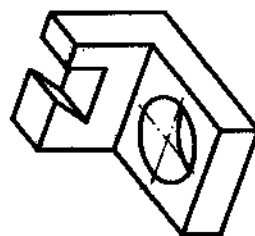
(3)



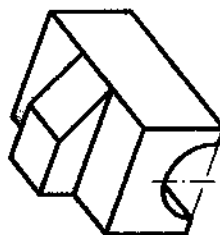
(4)



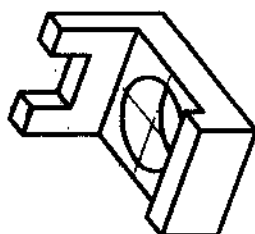
(5)



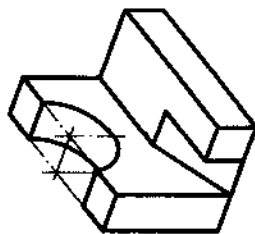
(6)



(7)

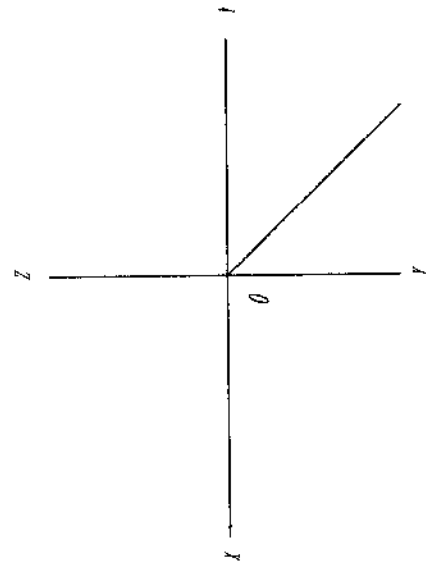


(8)

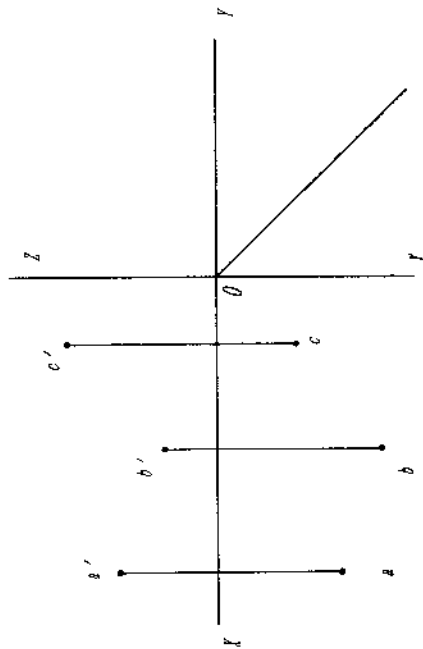


2-4 点的投影.

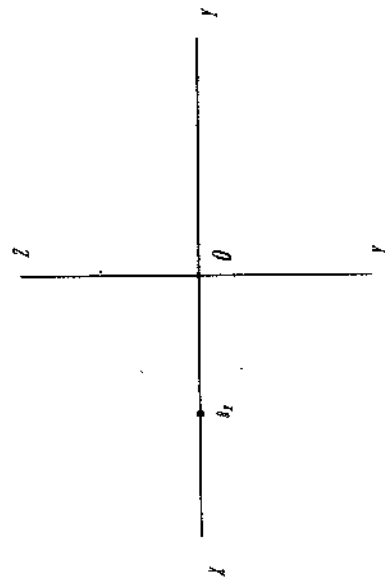
(1) 作点 $A(10, 20, 15)$, $B(25, 0, 10)$, $C(10, 15, 15)$ 的三面投影.



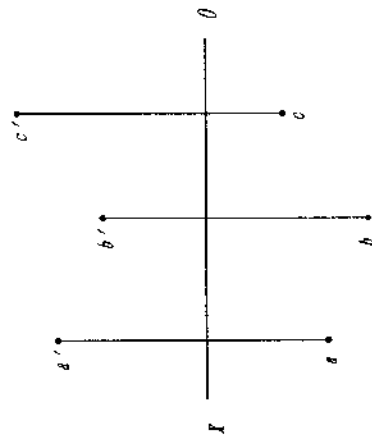
(2) 根据已知点的两面投影, 作其第三面投影:



(3) 已知 a_x , 点 A 在 V 面前方 5 , B 面上方 20 ; 点 B 在点 A 右方 10 , 下方 10 ; 点 C 在点 A 的正上方 5 , 作点 A, B, C 的三面投影.



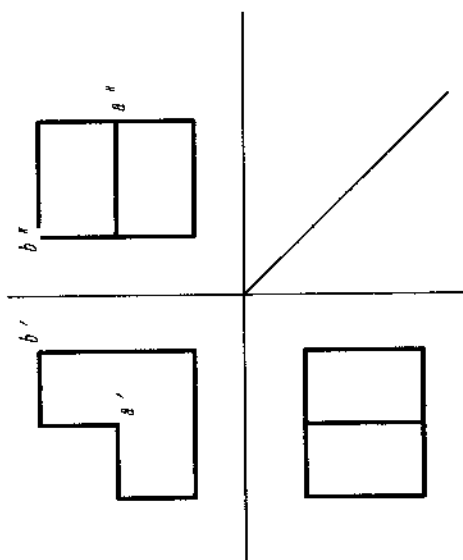
(4) 根据点的两面投影比较点的相对位置, 将结果填在右下角的横线上.



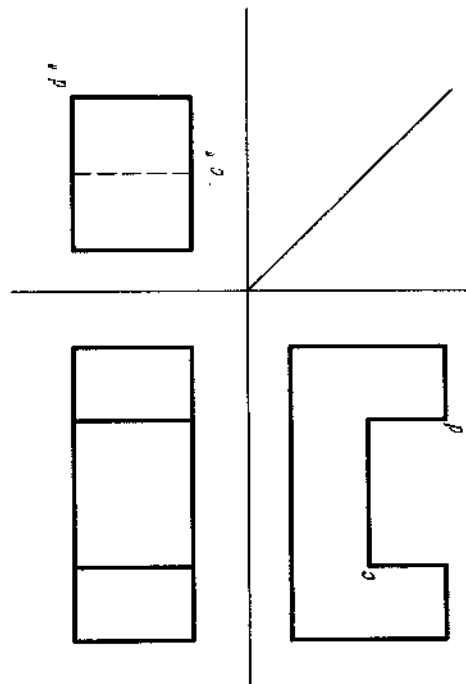
点最高: _____
点最左: _____
点最上: _____

2-5 根据点的两面投影求第三面投影。

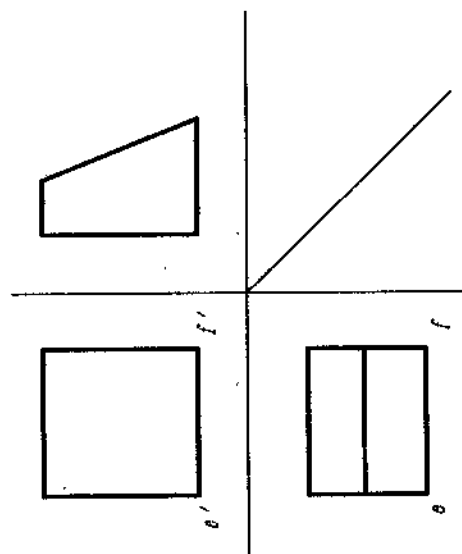
(1)



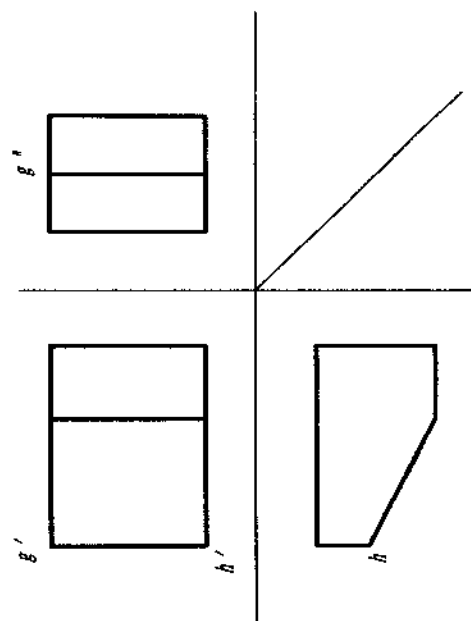
(2)



(3)

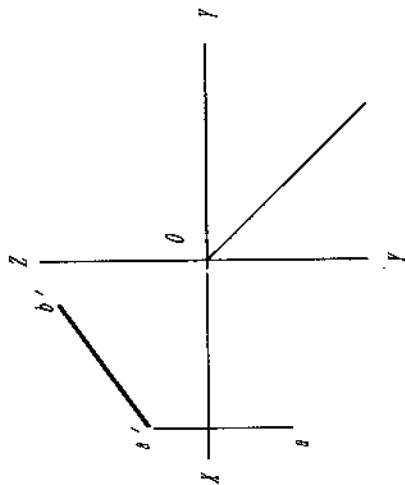


(4)

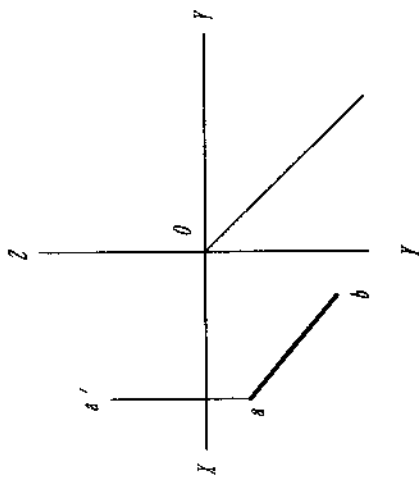


2-6 根据已知条件完成直线 AB 的三面投影。

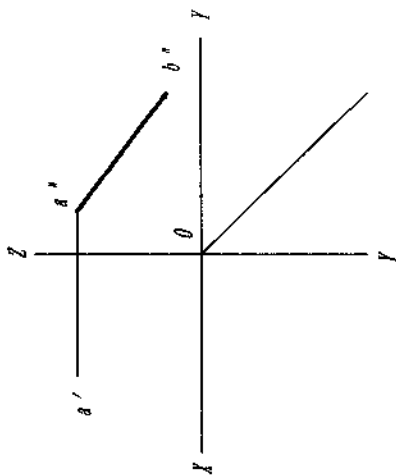
(1) $AB \parallel V$.



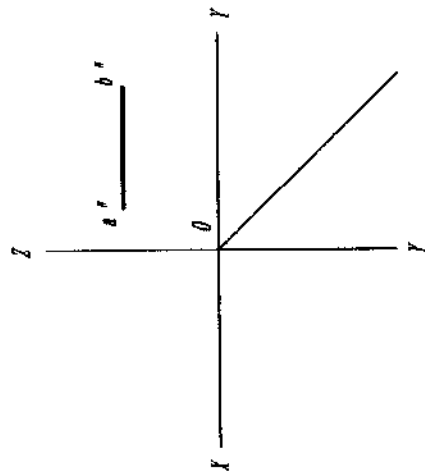
(2) $AB \parallel H$.



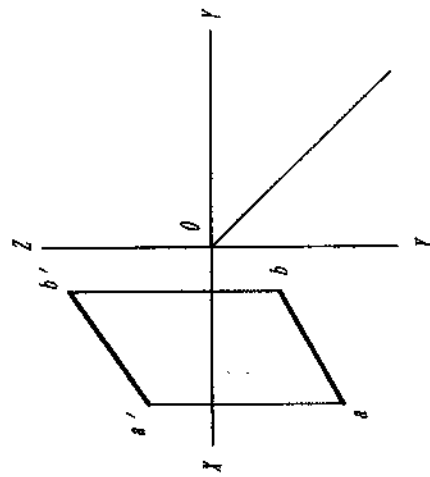
(3) $AB \parallel W$.



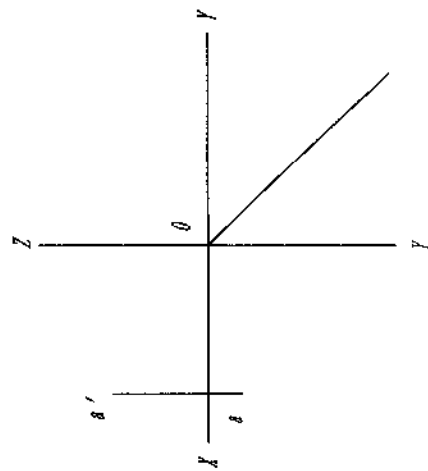
(4) $AB \perp V$ 面且距 V 面 15mm .



(5) AB 为一般位置直线.

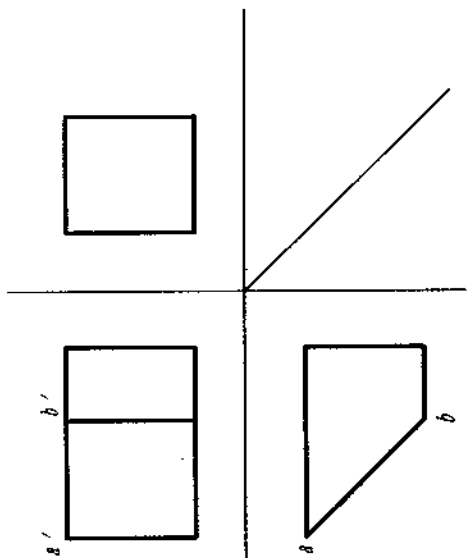


(6) 面且长度为 20mm , 点 B 在前, 与 面夹角为 60° .

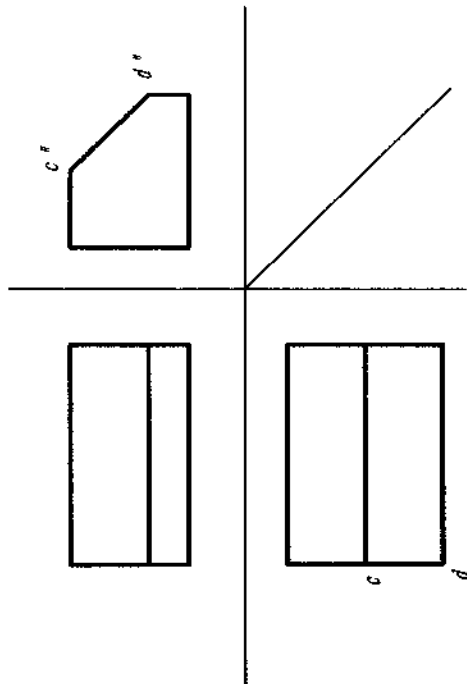


2-7 根据直线的两面投影求第三面投影。

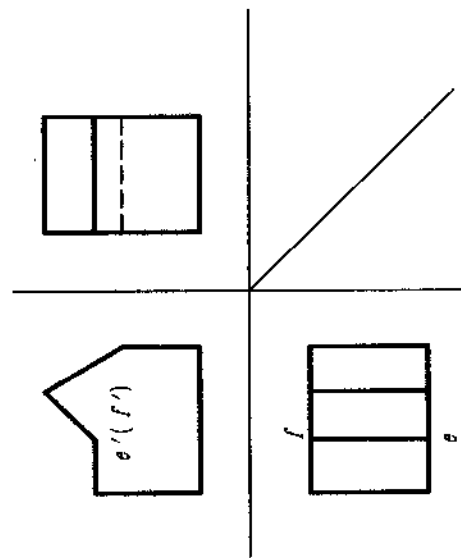
(1)



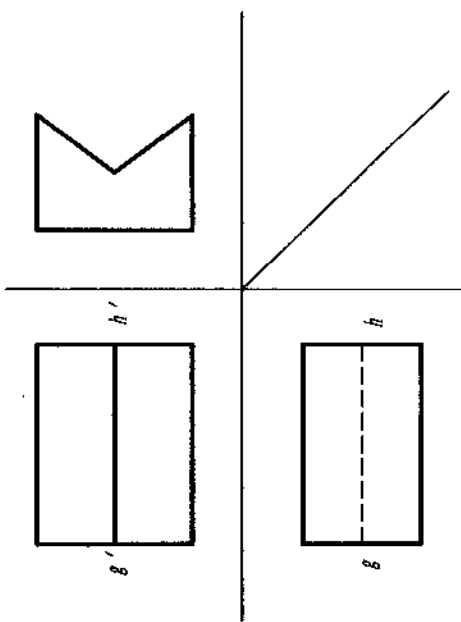
(2)



(3)



(4)

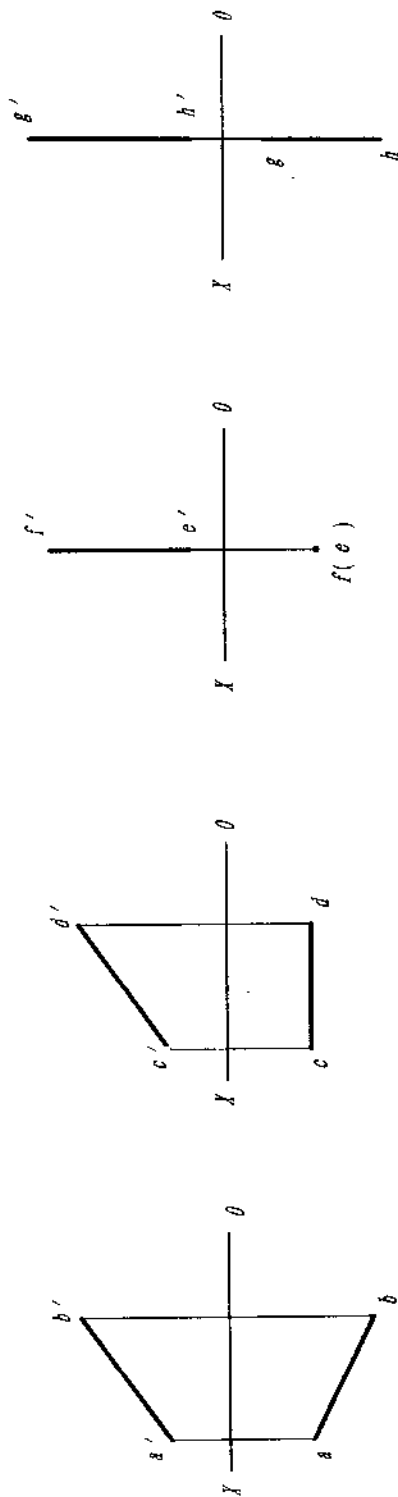


姓名

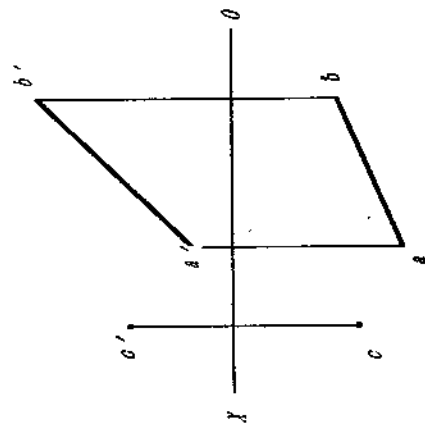
班级

2-8 作直线上点的投影。

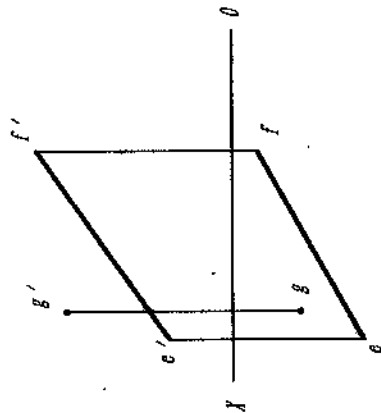
(1) 在下列直线上各作一点 K 的投影, 使点 K 距 H 面均为 15 mm 。



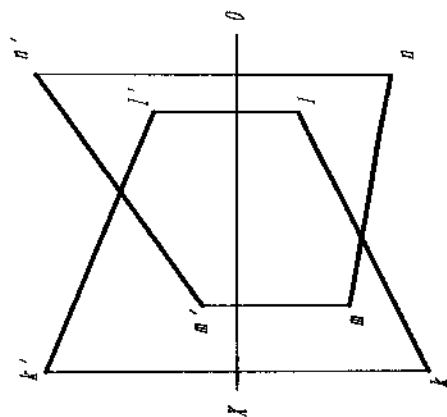
(2) 过点 C 作直线 CD 平行于直线 AB 。



(3) 过点 G 作一正平线 GH , 且与直线 EF 相交。

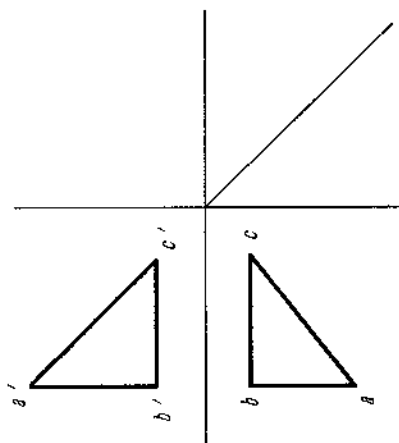


(4) 用字母表示重影点的投影。

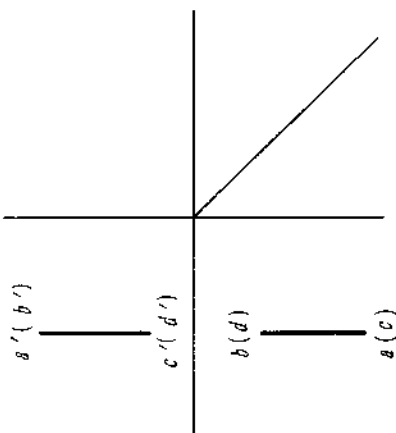


2-9 作平面多边形的投影。

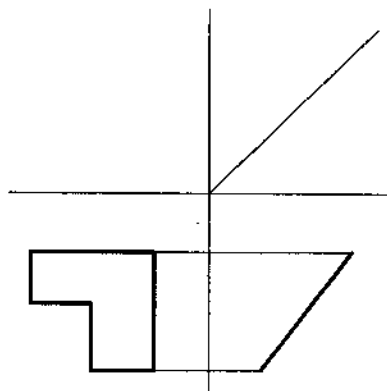
(1)



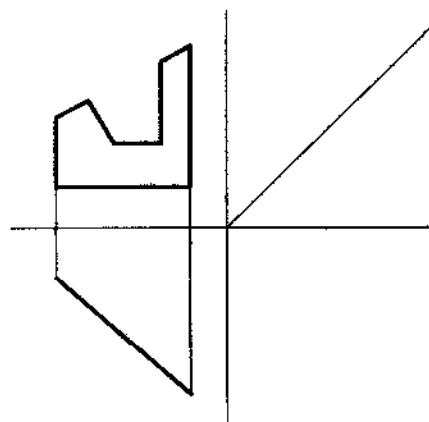
(2)



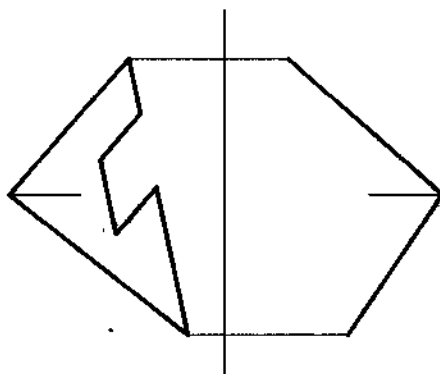
(3)



(4)



(5)



(6)

