

高等学校试用教材

水利工程制图习题集

华东水利学院工程制图教研组编

人民教育出版社

使用说明

《水利工程制图习题集》是配合高等工科院校水利类各专业的《水利工程制图》试用教材编写的，供采用该教材的学生使用。

选题时，考虑到能适应水利类各专业的教学需要，所给的题目数量是比较多的。使用时，可由任课教师根据学时和实际情况选用。学有余力的学生，也可多做。

对本习题集，还有如下一些问题需作说明：

- 一、字体练习(第1、2页)建议作如下安排：基本笔划和偏旁一次，汉字五次；数字、字母四次；汉字、数字和字母可穿插进行。如尚感不够，学校可复制字格，另提要求。
- 二、所有根据模型画视图的作业，都给了轴测图(第6、7、12、19、25、37、58页)，其中除第58页外，都有分题，以供选择。有条件的院校，可将以上各题制成模型，供学生画图时使用，效果更好。各院校也可采用本校模型选题

三、第8、9、10页为根据三视图搭积木的作业，各院校可以制作积木，供学生完成该作业时使用。

每套积木计有： $2 \times 2 \times 2\text{cm}$ 的立方块12个；

$2 \times 2\text{cm}$ 、厚 2cm 的直角三角柱8个；

半径为 3cm 、厚 2cm 的半圆柱3个。

四、描图作业未作专门安排，可选择抄绘正图的作业描绘，次数和图幅大小由各校安排。

五、配合教材第九章——水利工程图——的作业未予安排。建议各院校根据学校所在地区水利工程建设的情况，选择有关工程的图纸，带领学生到现场，结合有关专业课的教学进行看图。所以除教材中第九章所附读图举例以外，习题集中不另出题，绘图作业亦由各校自定。

六、每本习题集最后均附方格纸十页，供学生根据模型或轴测图画视图时使用。

本书曾经武汉水利电力学院、成都工学院、大连工学院、河北水利水电学院、清华大学、天津大学等院校制图教师代表集体审阅，并由编者根据审阅意见进一步作了修改。

由于我们水平所限，书中会存在不少问题，希望读者批评指正。

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[illegible]

码头船舶现电厂站道筑物枢纽总体

[illegible]

水利电力大学正侧剖视图

[illegible][illegible]

班	级	姓	名	比	例	单	位	制	图	审	核	毫	厘	米
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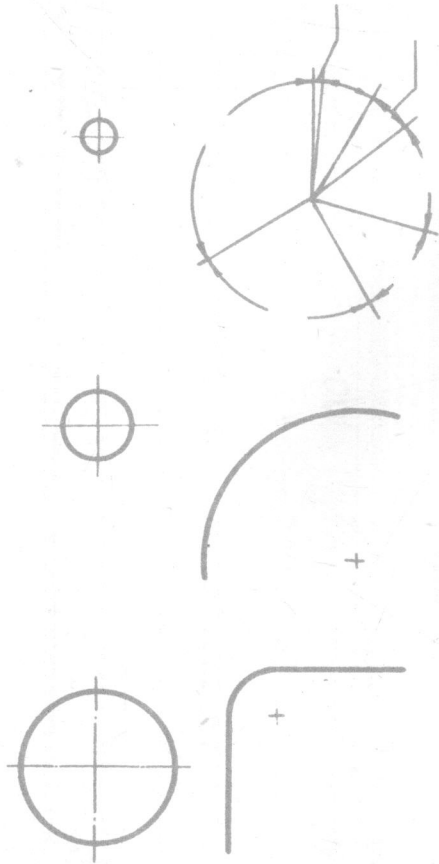
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1 2 3 4 5 6 7 8 9 0

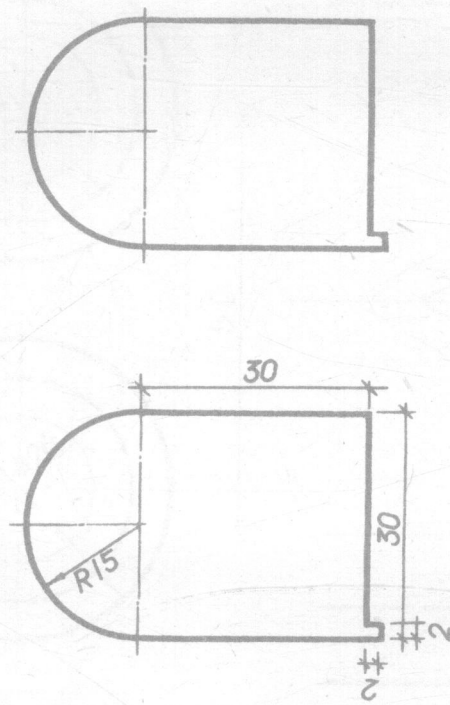
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N O P Q R S T U V W X Y Z

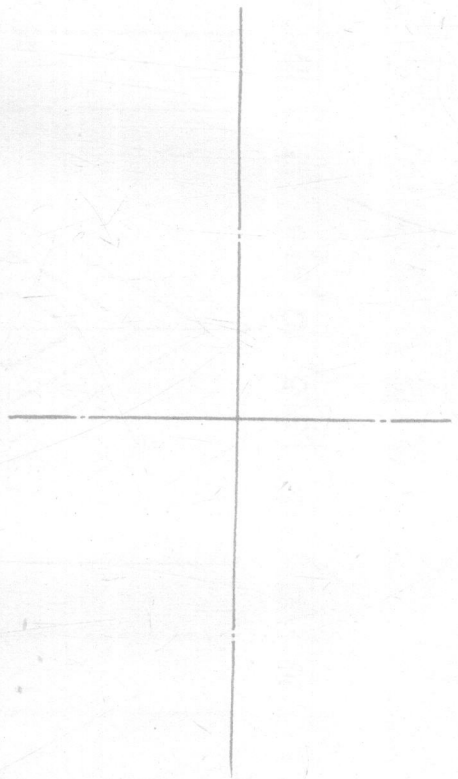
1. 注出直径、半径和角度



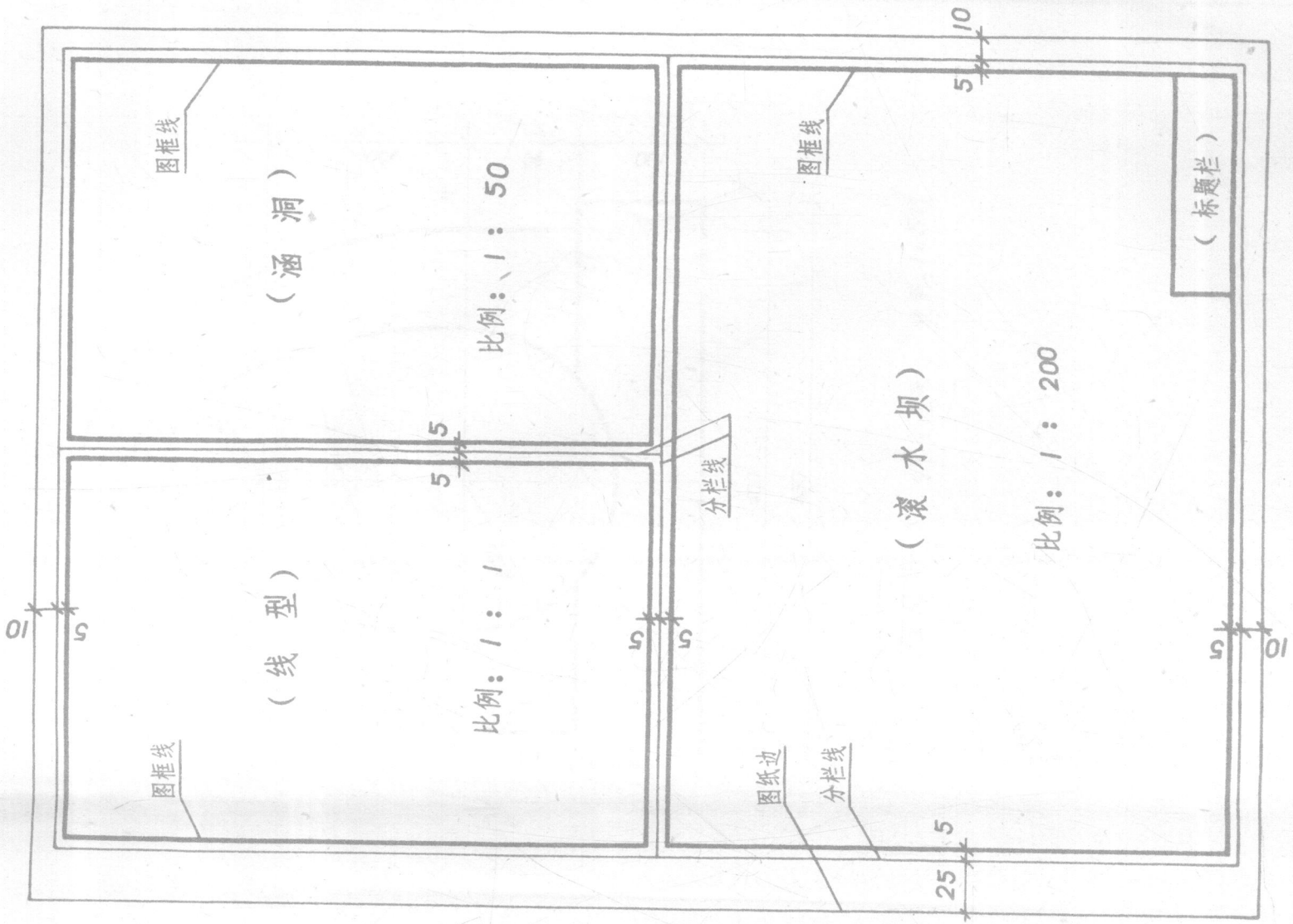
2. 找出左图中尺寸注写的错误，在右图上正确注出



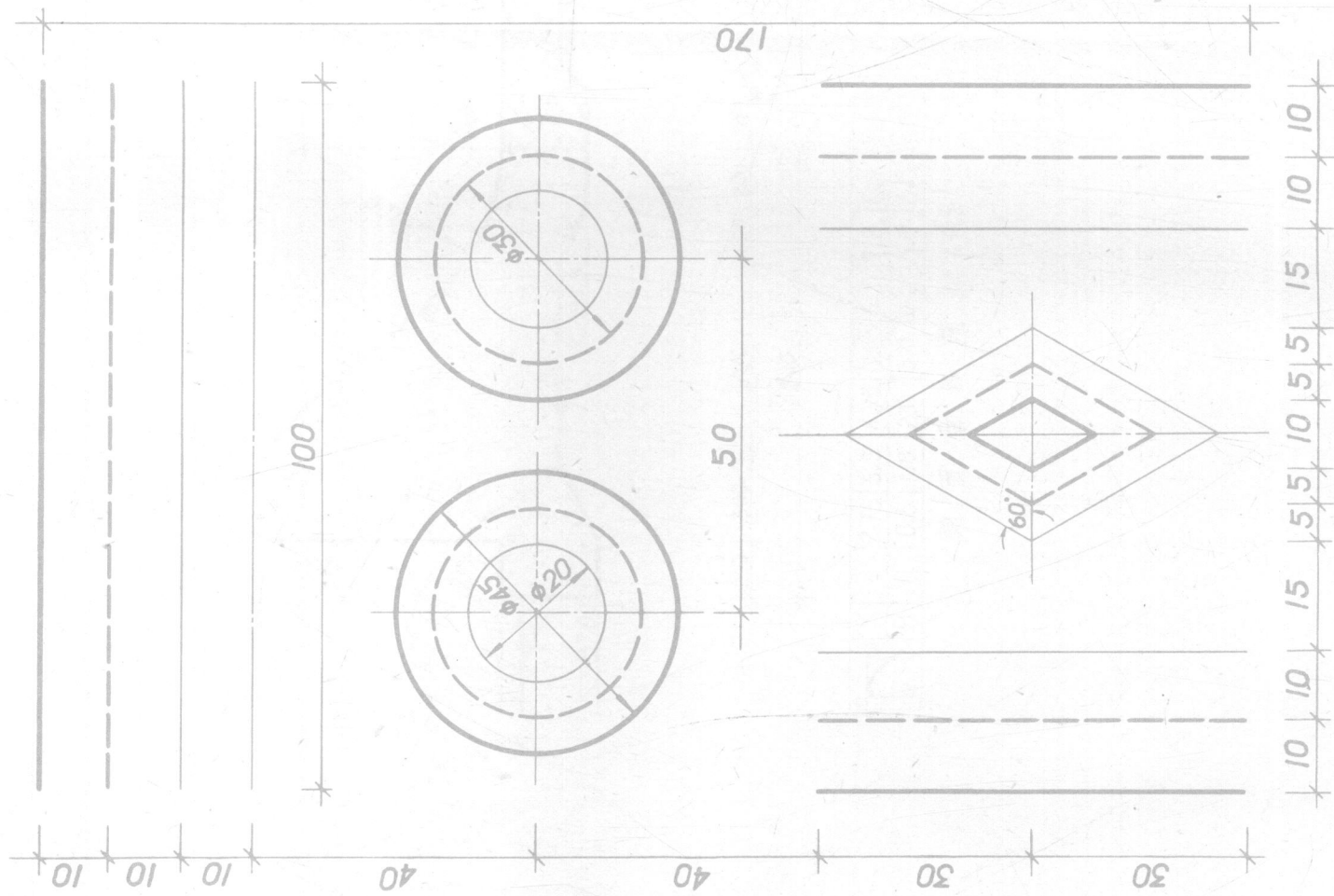
3. 已知椭圆的长、短轴分别为80和50毫米，以1:1的比例用四圆画法画出



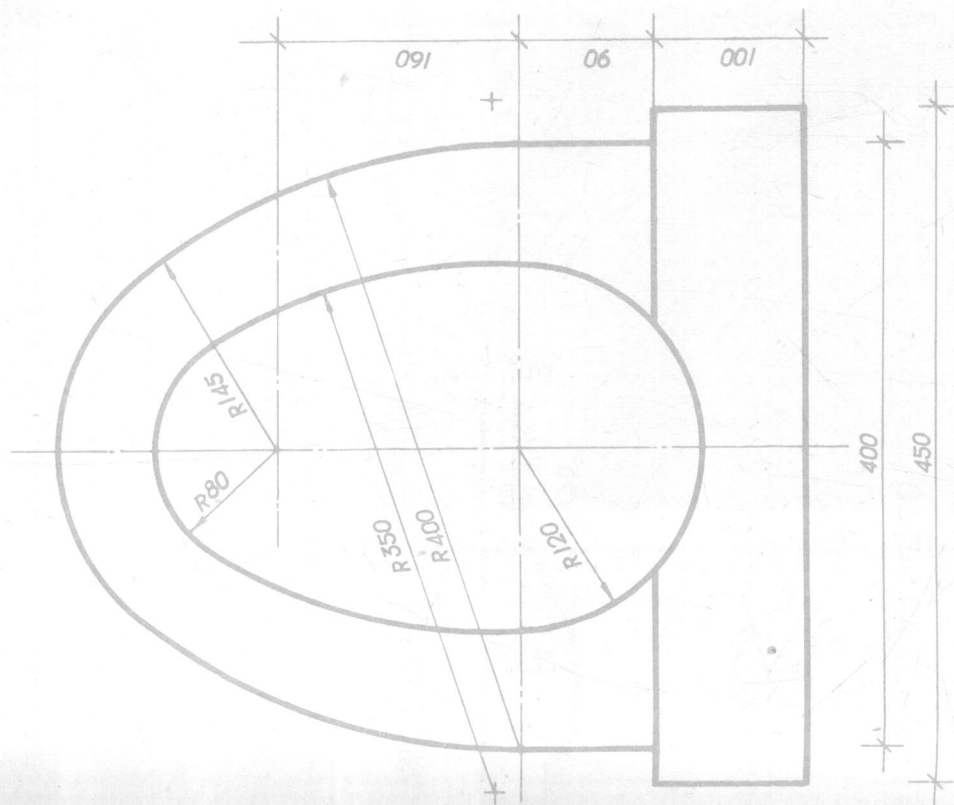
按规定比例抄绘正图并布置在2号图纸上



1. 线型



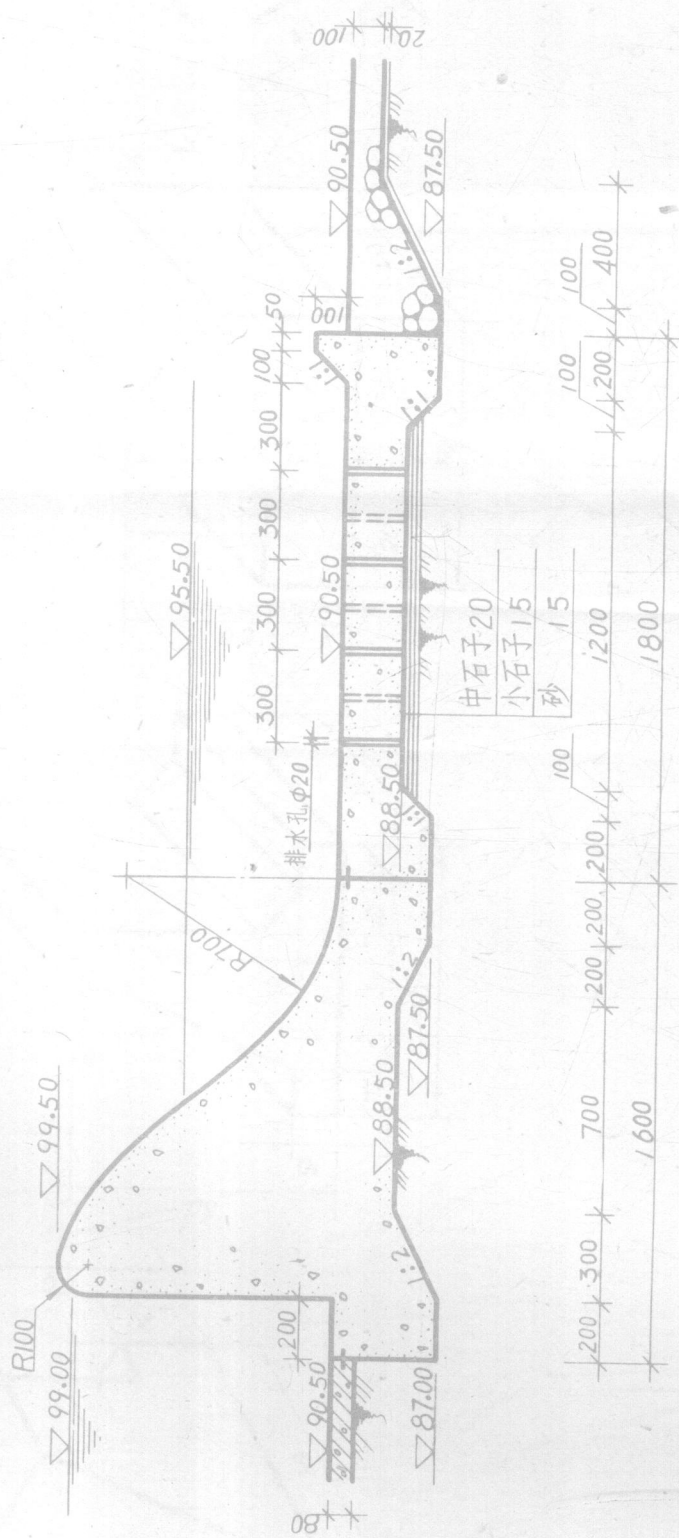
2. 涵洞



单位: 厘米 比例: 1:50

线型 比例: 1:1

3. 滚水坝



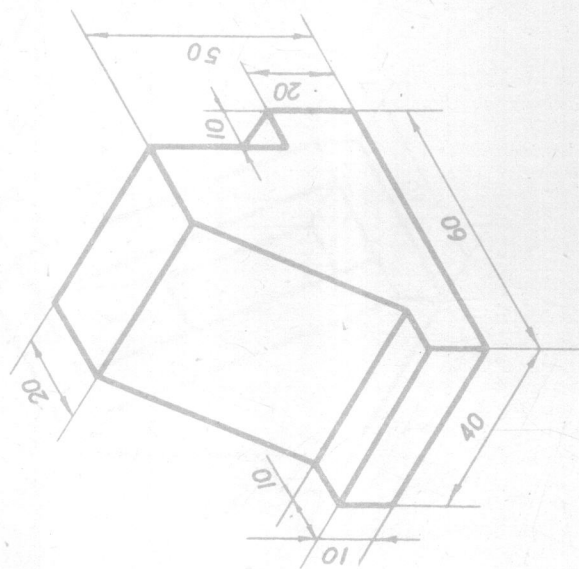
0	X	1	2.75	3.5	4.75	5.75	6.5	7.2	8.0	9.0
0	Y	0	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0

坝面曲线座标(米)

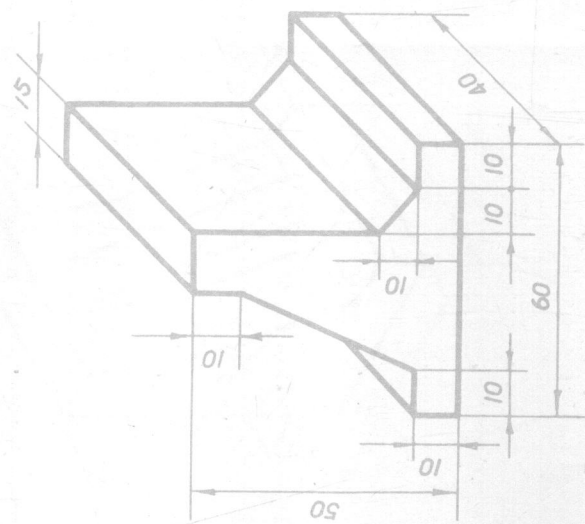
滚水坝 单位:厘米 比例:1:250

每组任选一至二个

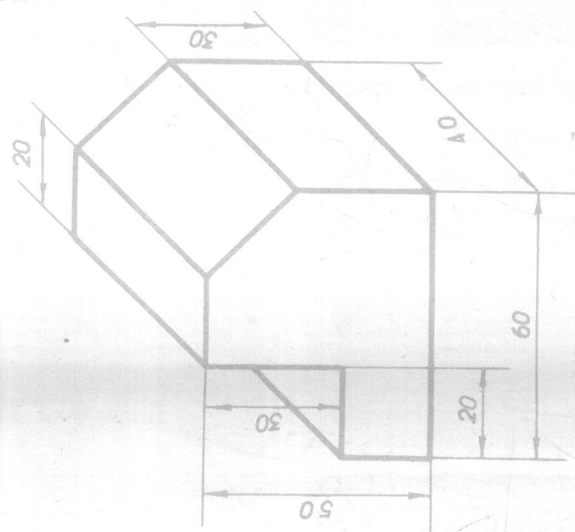
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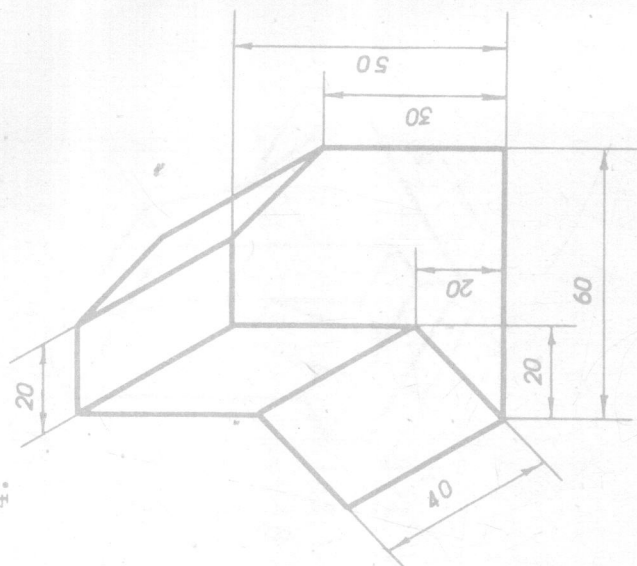
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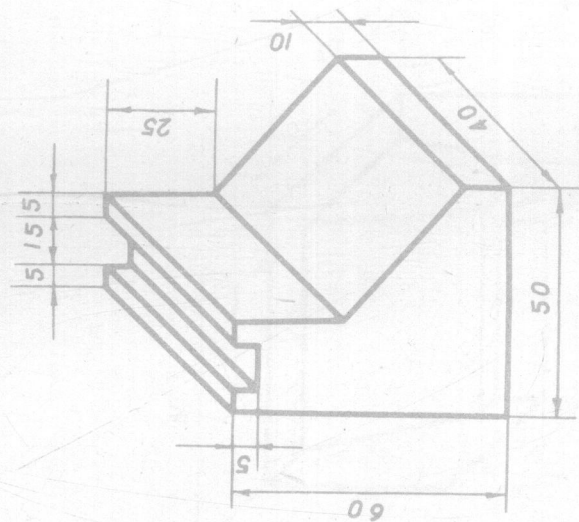
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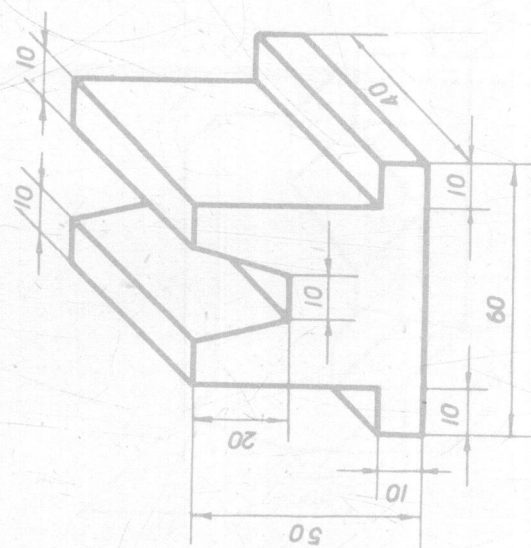
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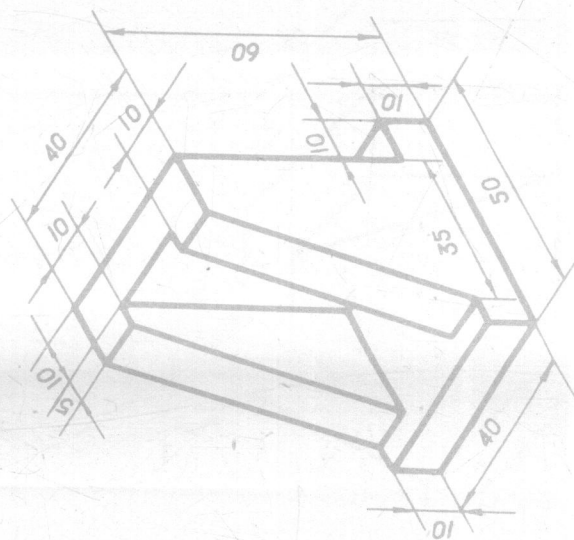
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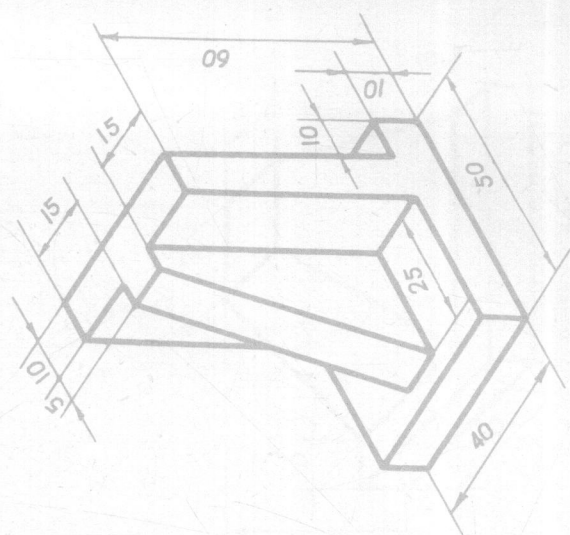
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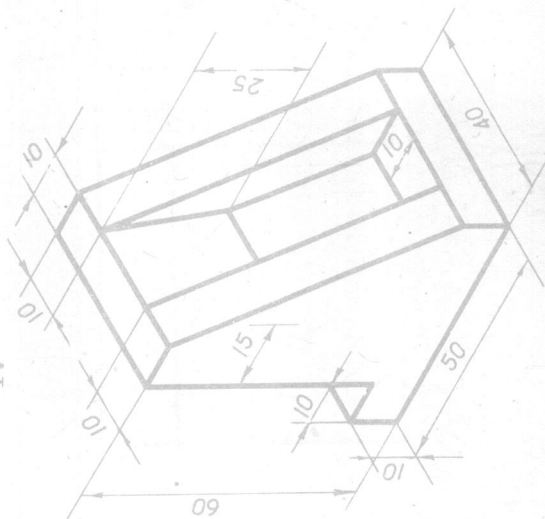
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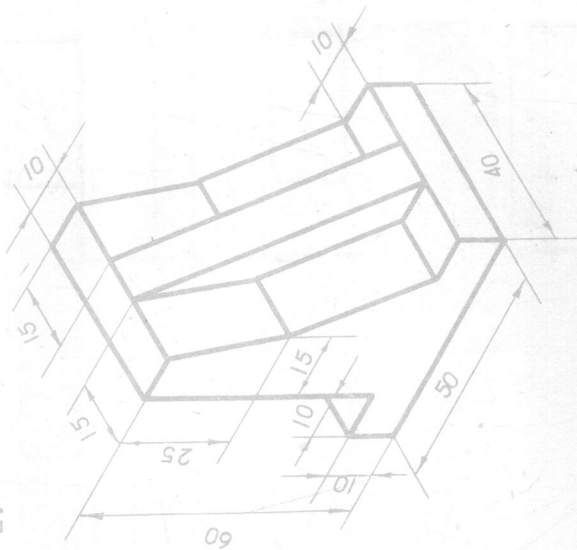
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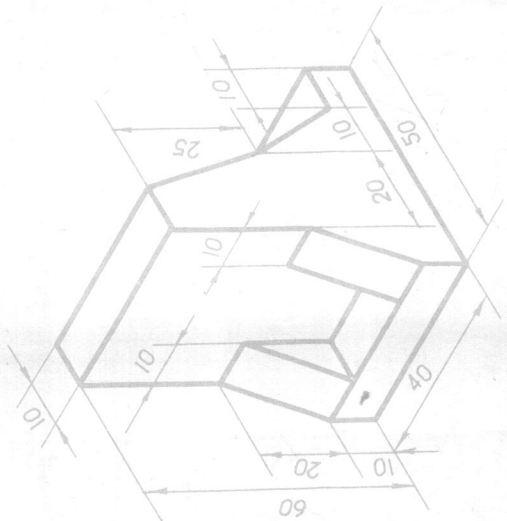
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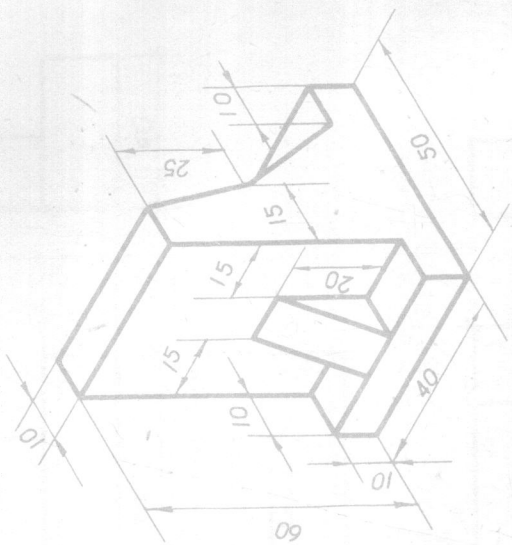
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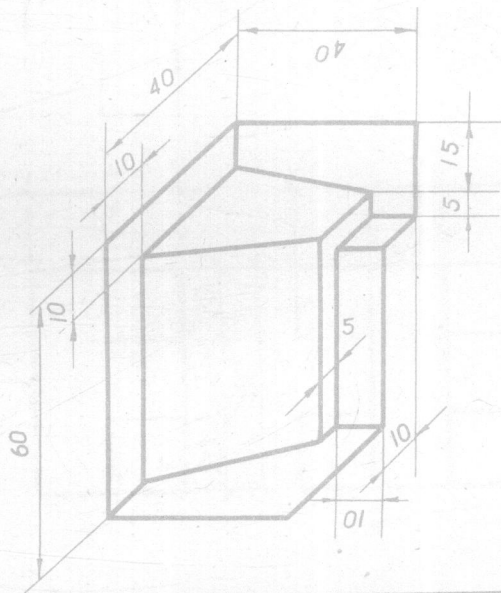
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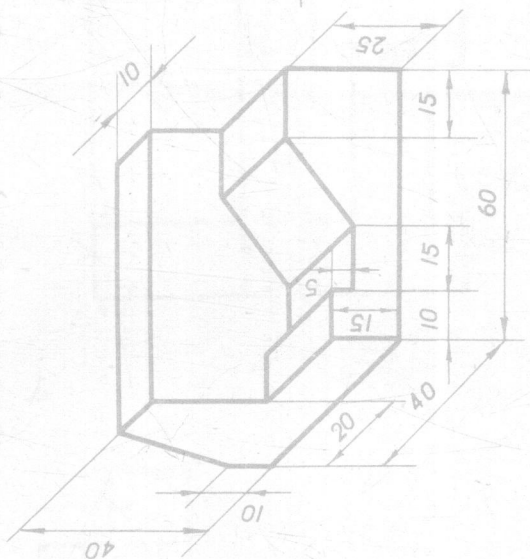
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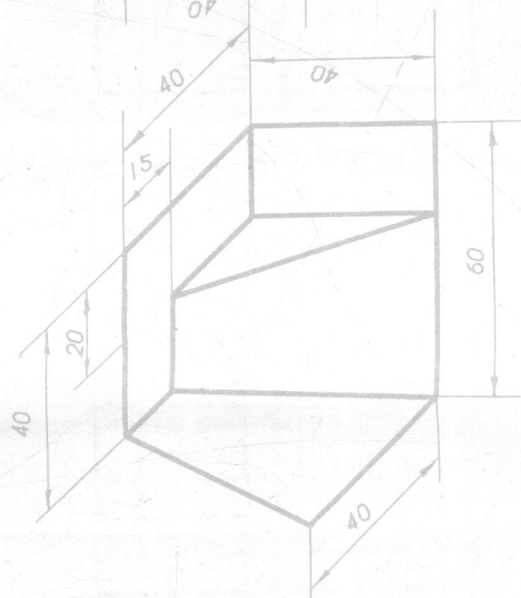
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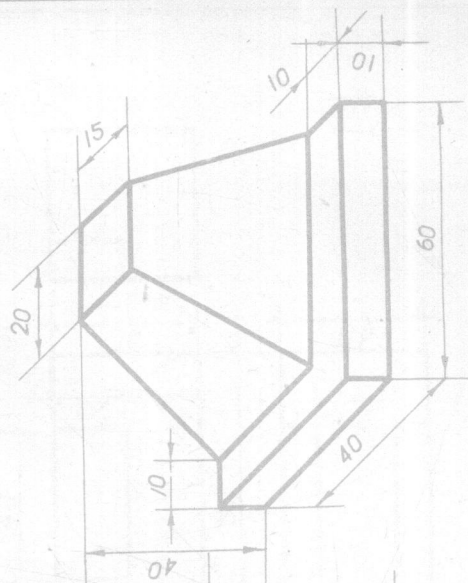
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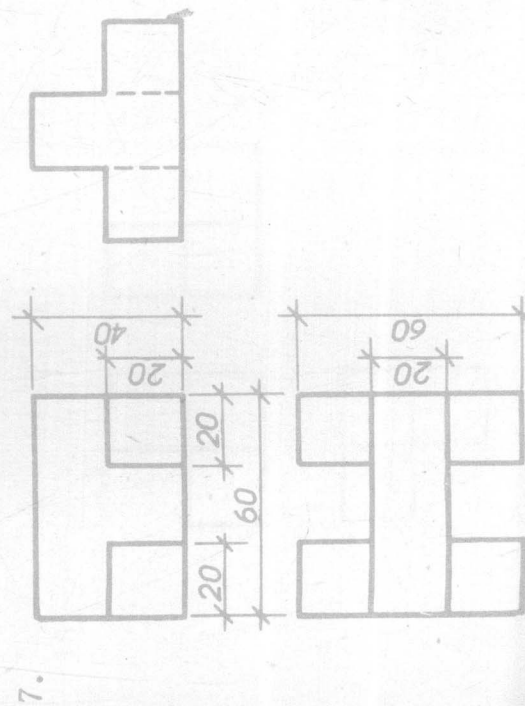
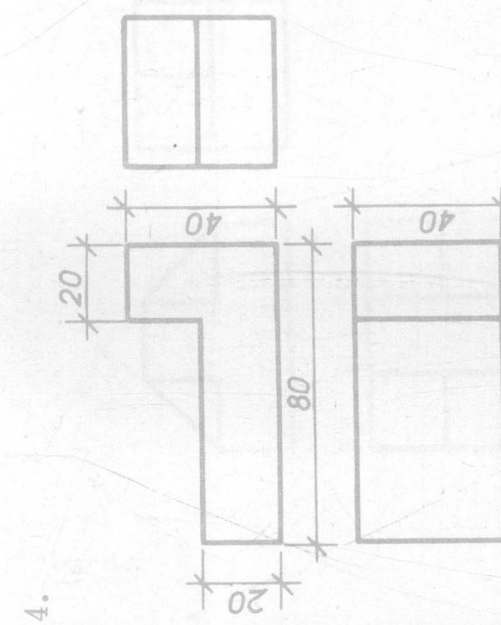
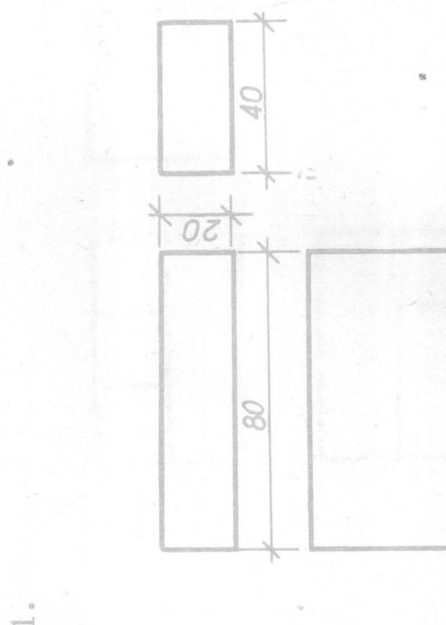
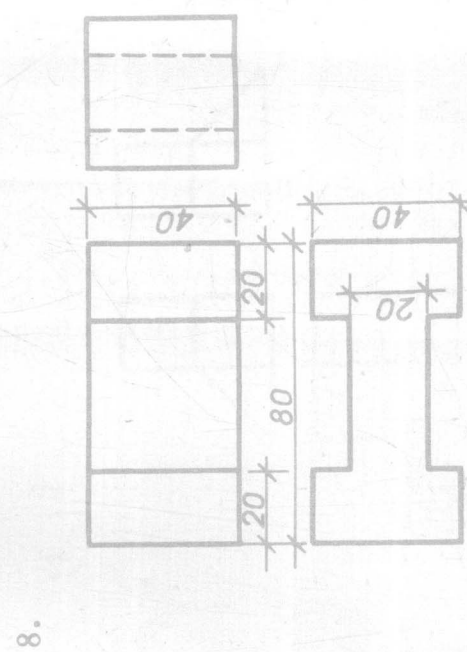
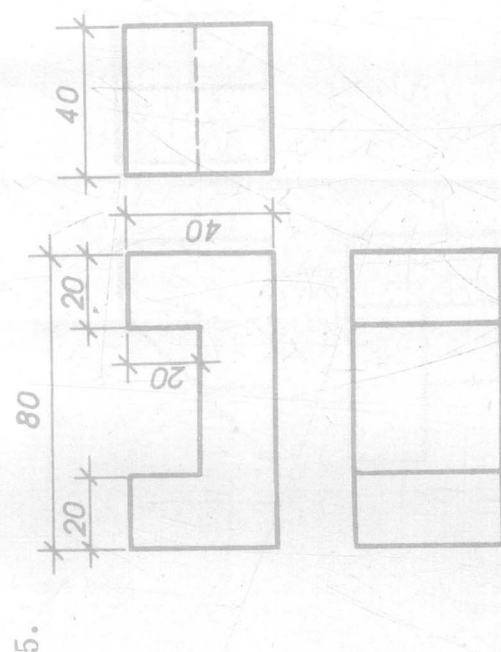
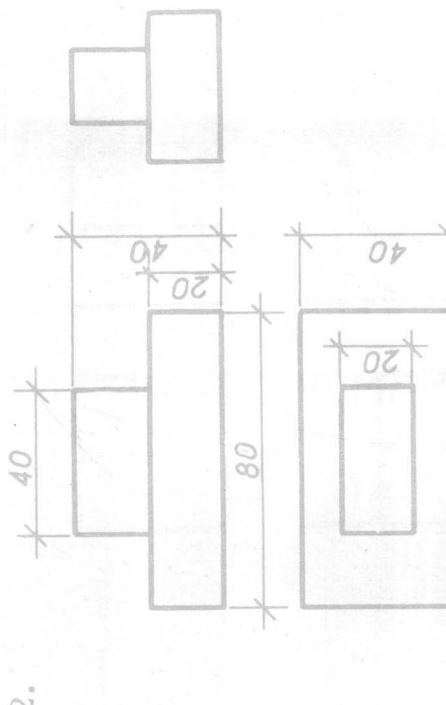
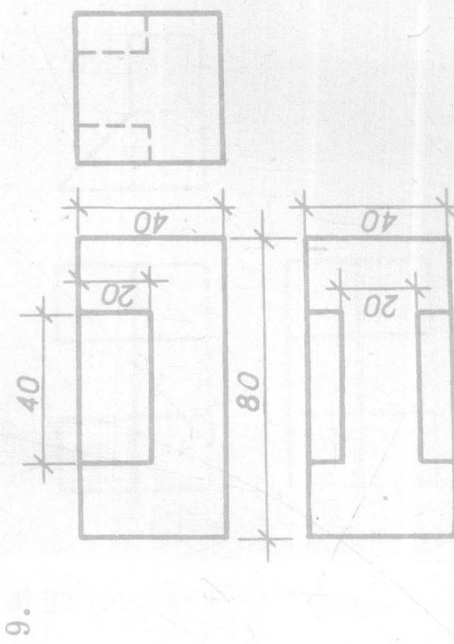
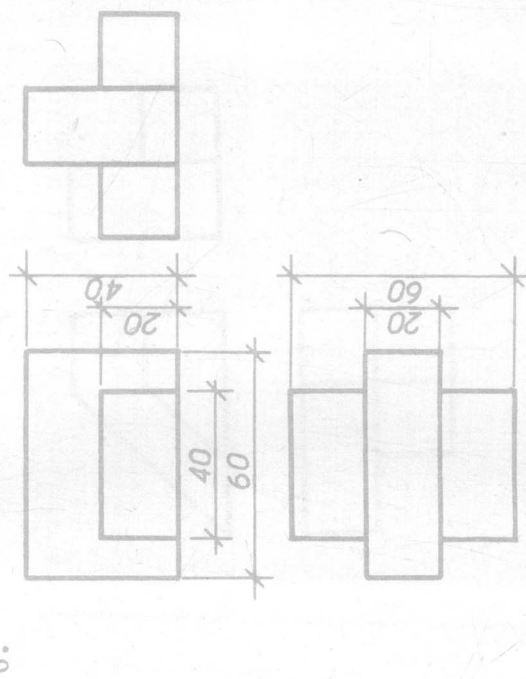
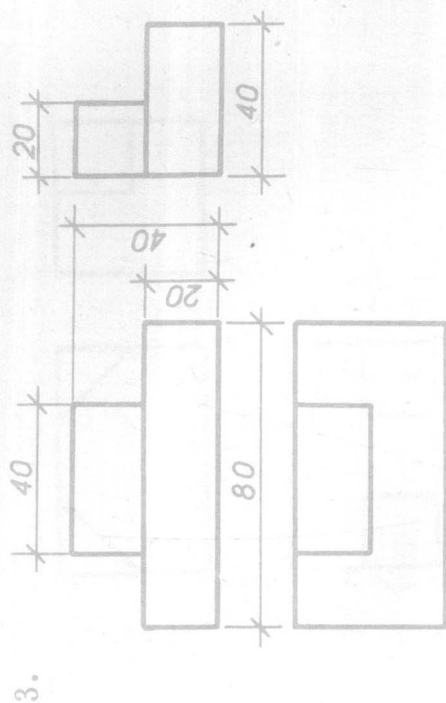


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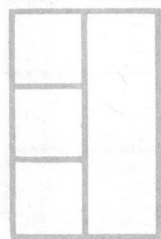


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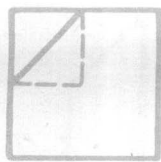
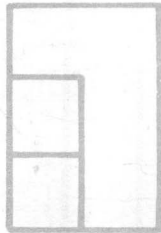




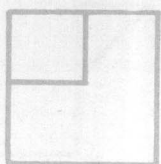
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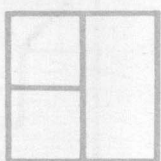
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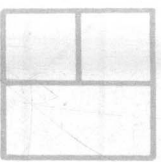
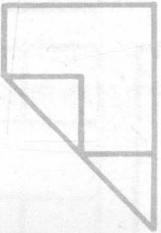
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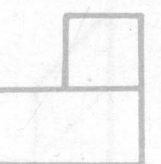
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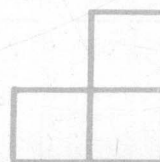
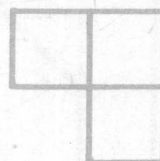
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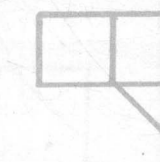
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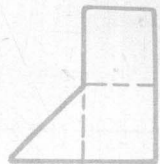
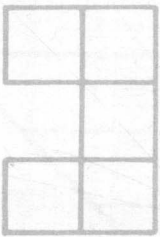
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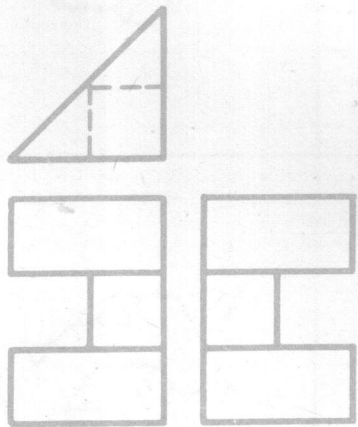
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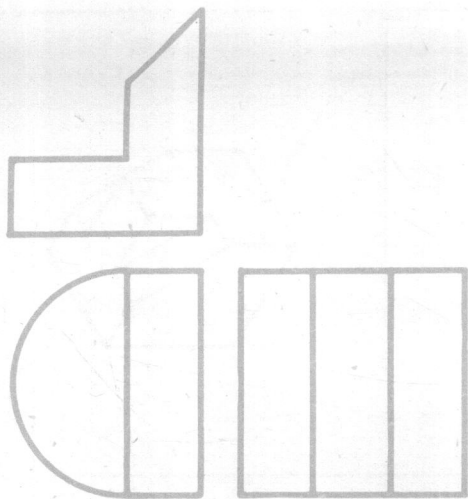
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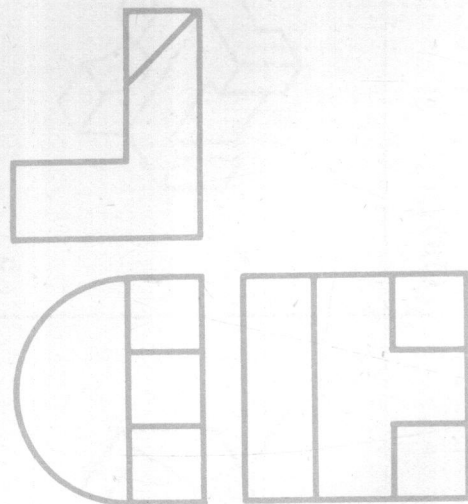
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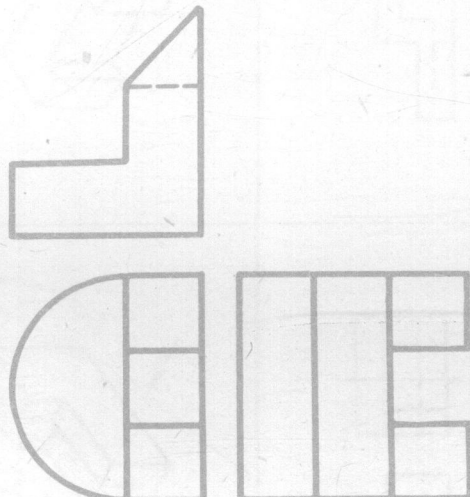
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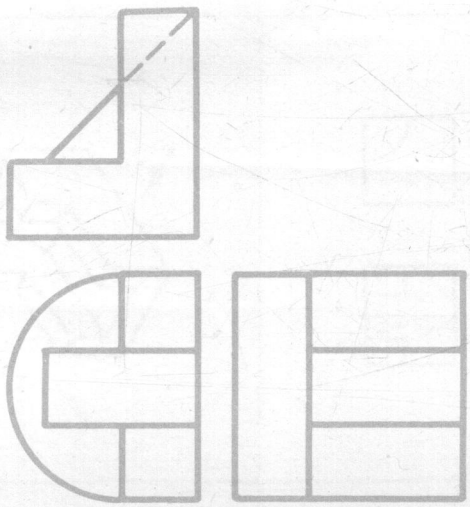
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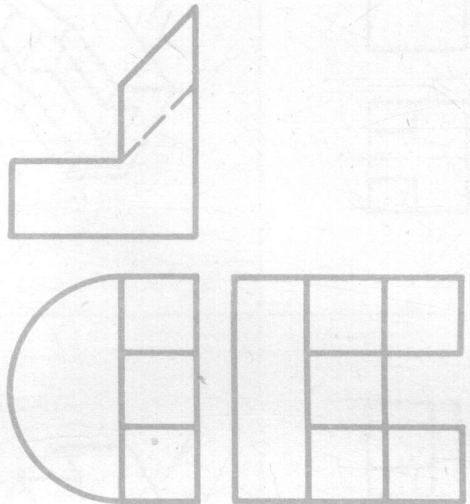
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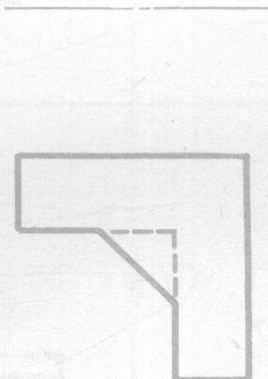


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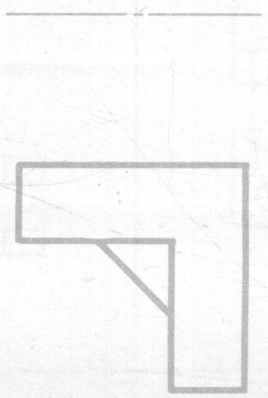


25. 根据二视图搭积木, 并补绘侧视图

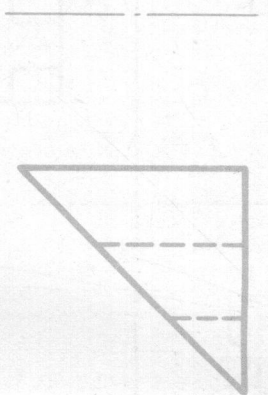
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(2)



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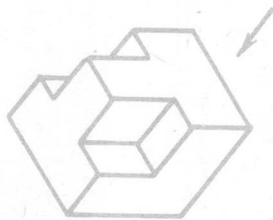
根据轴测图找出视图

班级

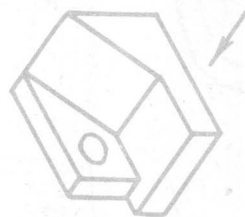
姓名

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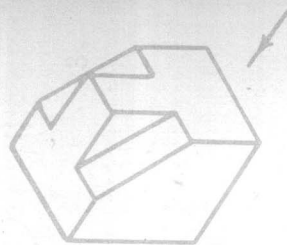
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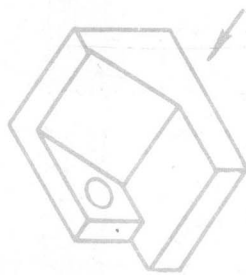
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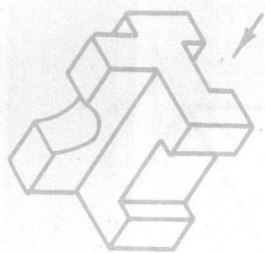
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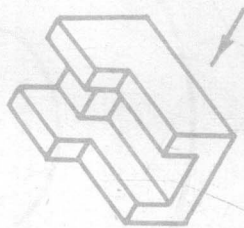
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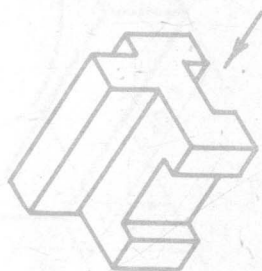
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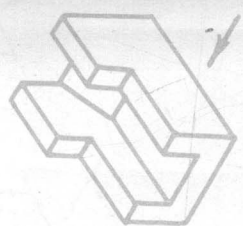
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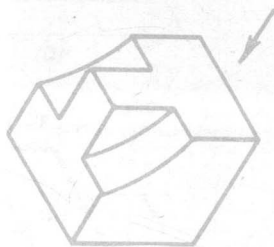
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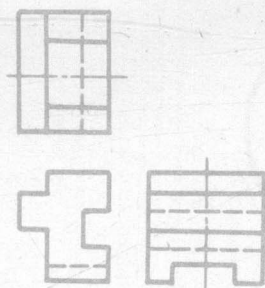
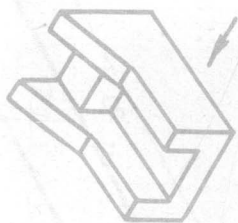
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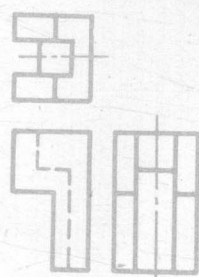
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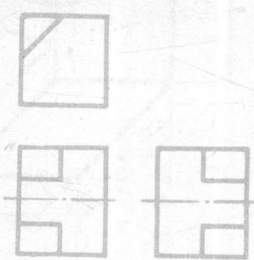
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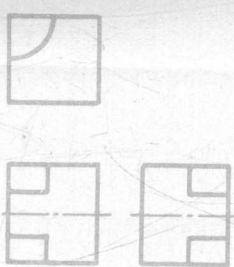
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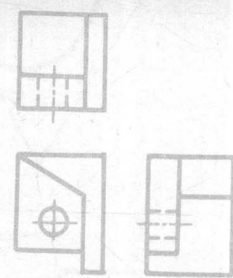
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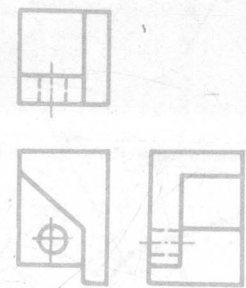
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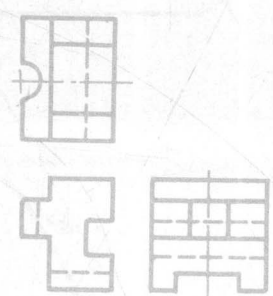
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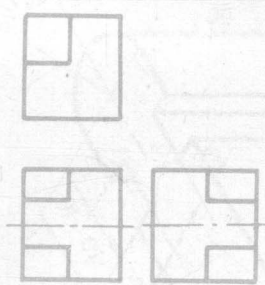
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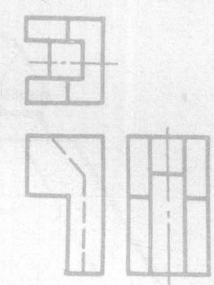
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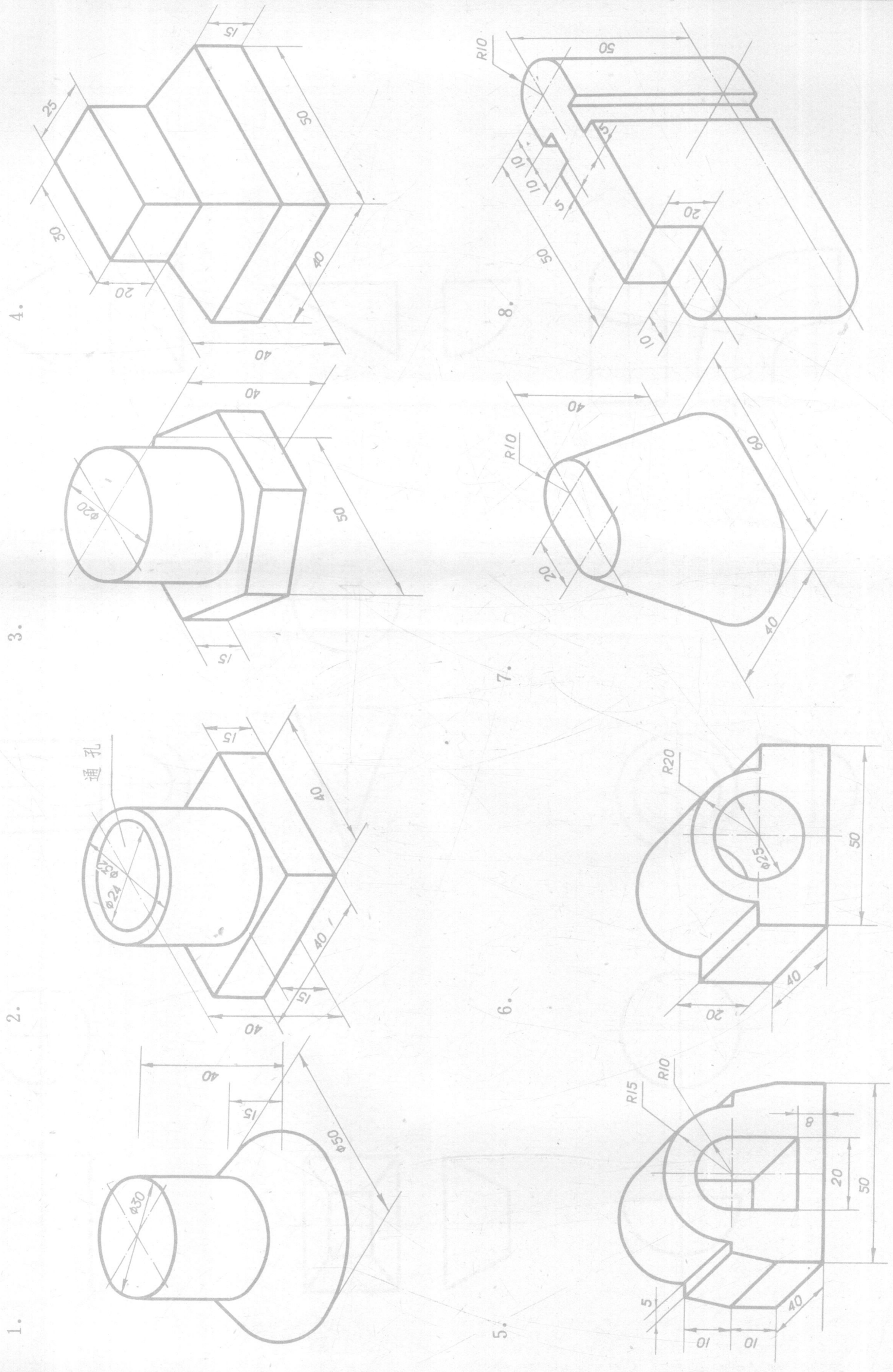


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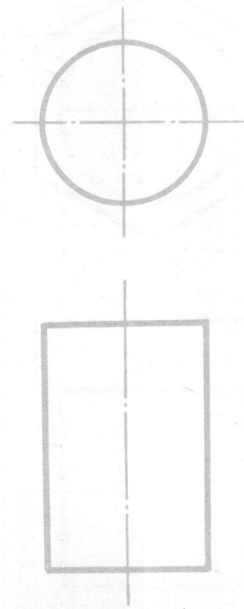


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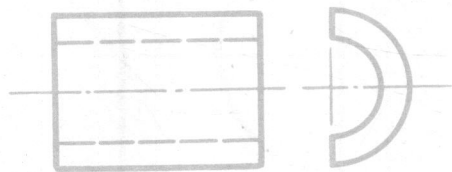
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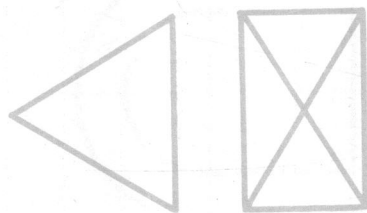
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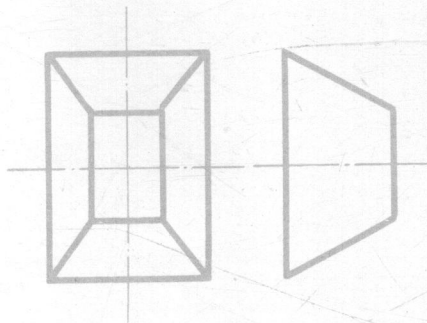
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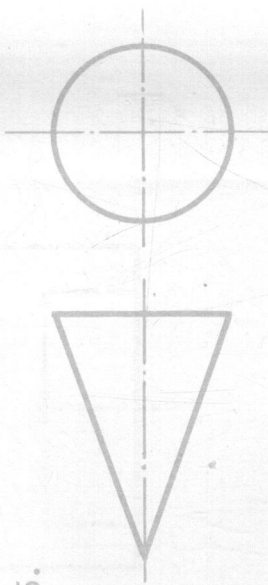
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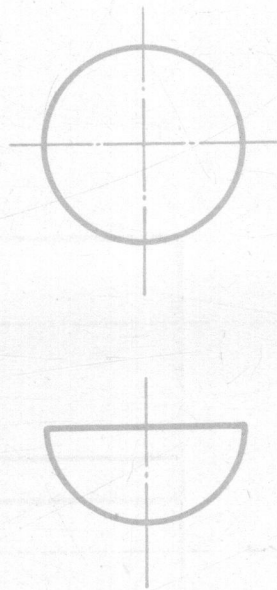
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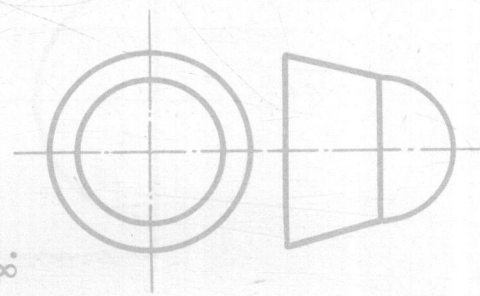
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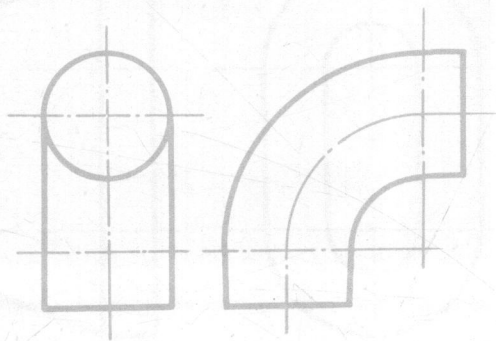
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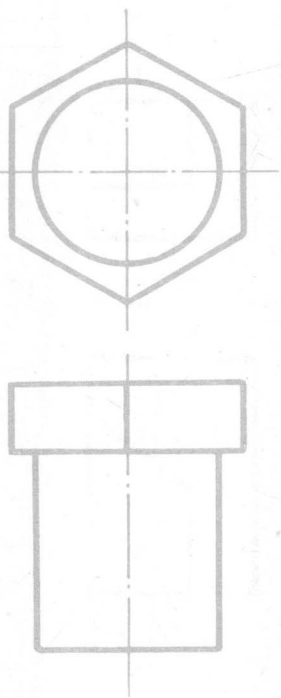
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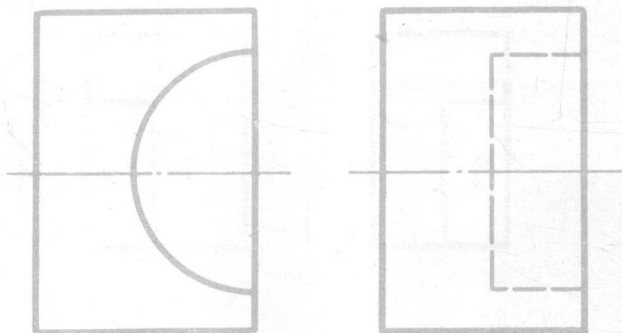
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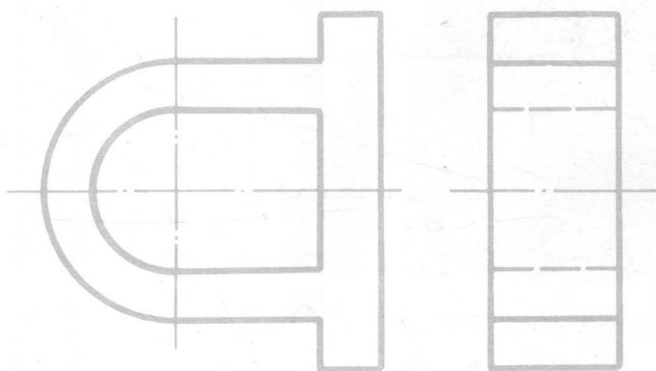
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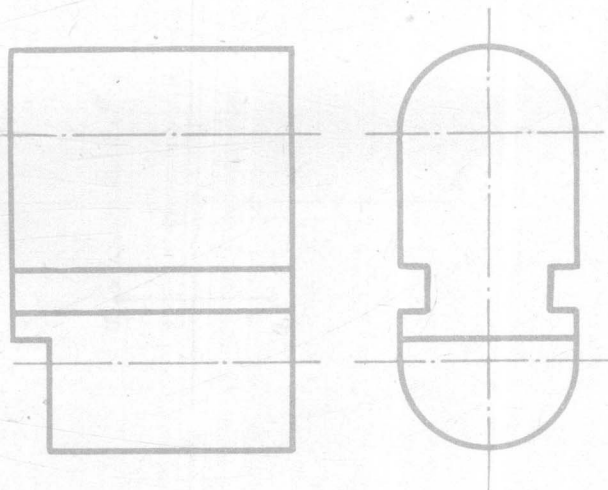
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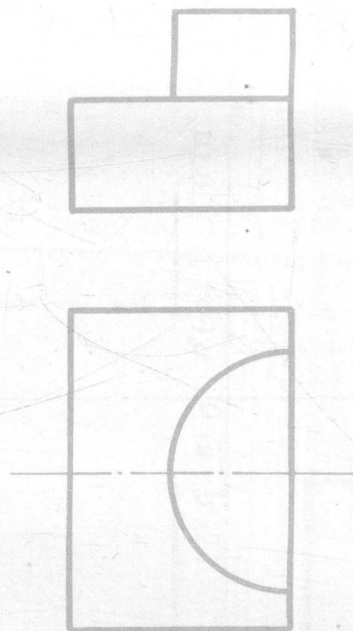
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4.



5.



6.

