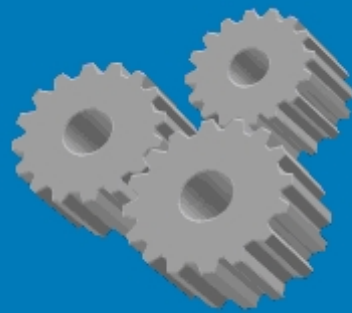


机械制图



综合练习题

电子科技大学 机械电子工程学院



机械制图综合练习题及解答

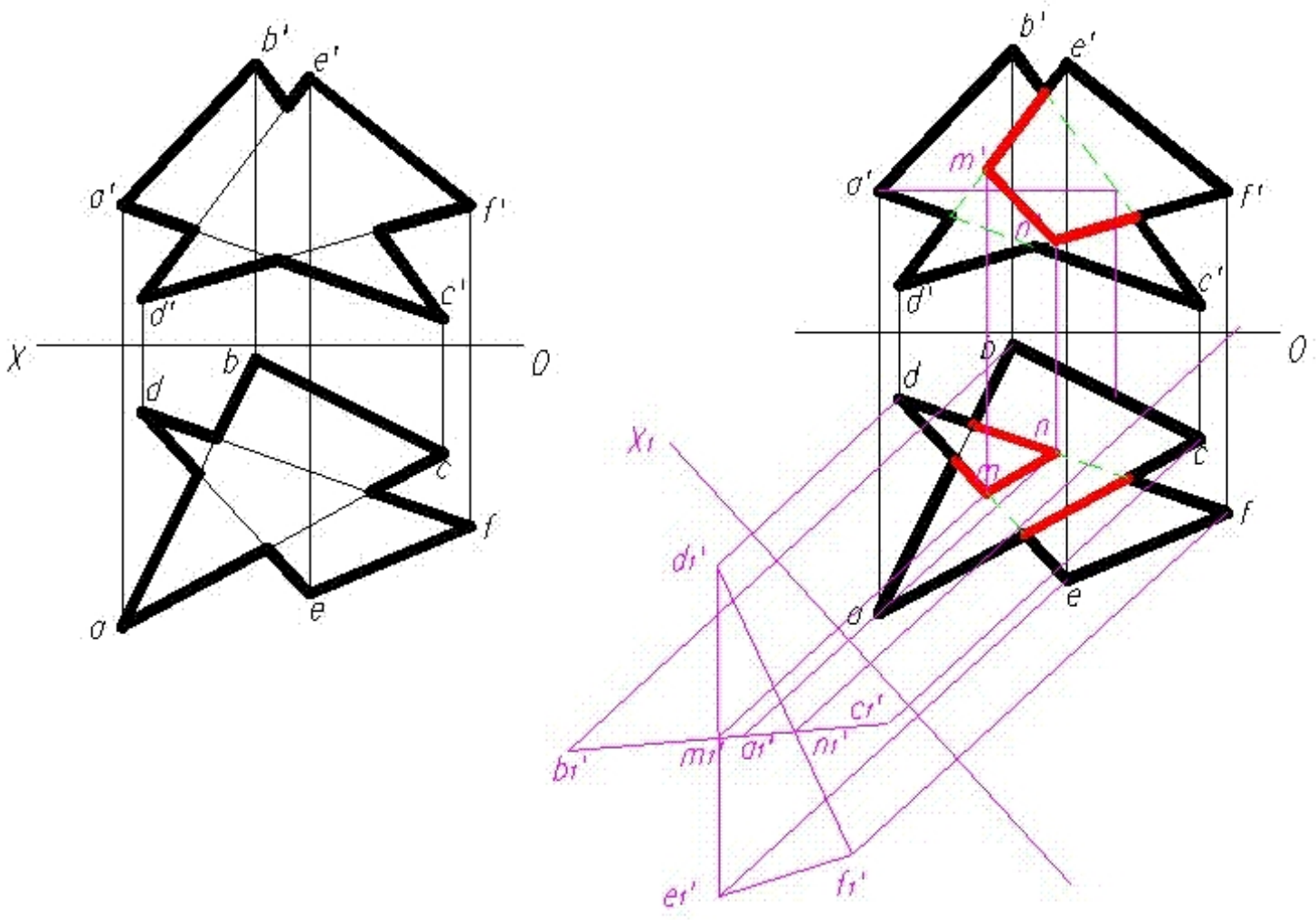
第81页

第82页

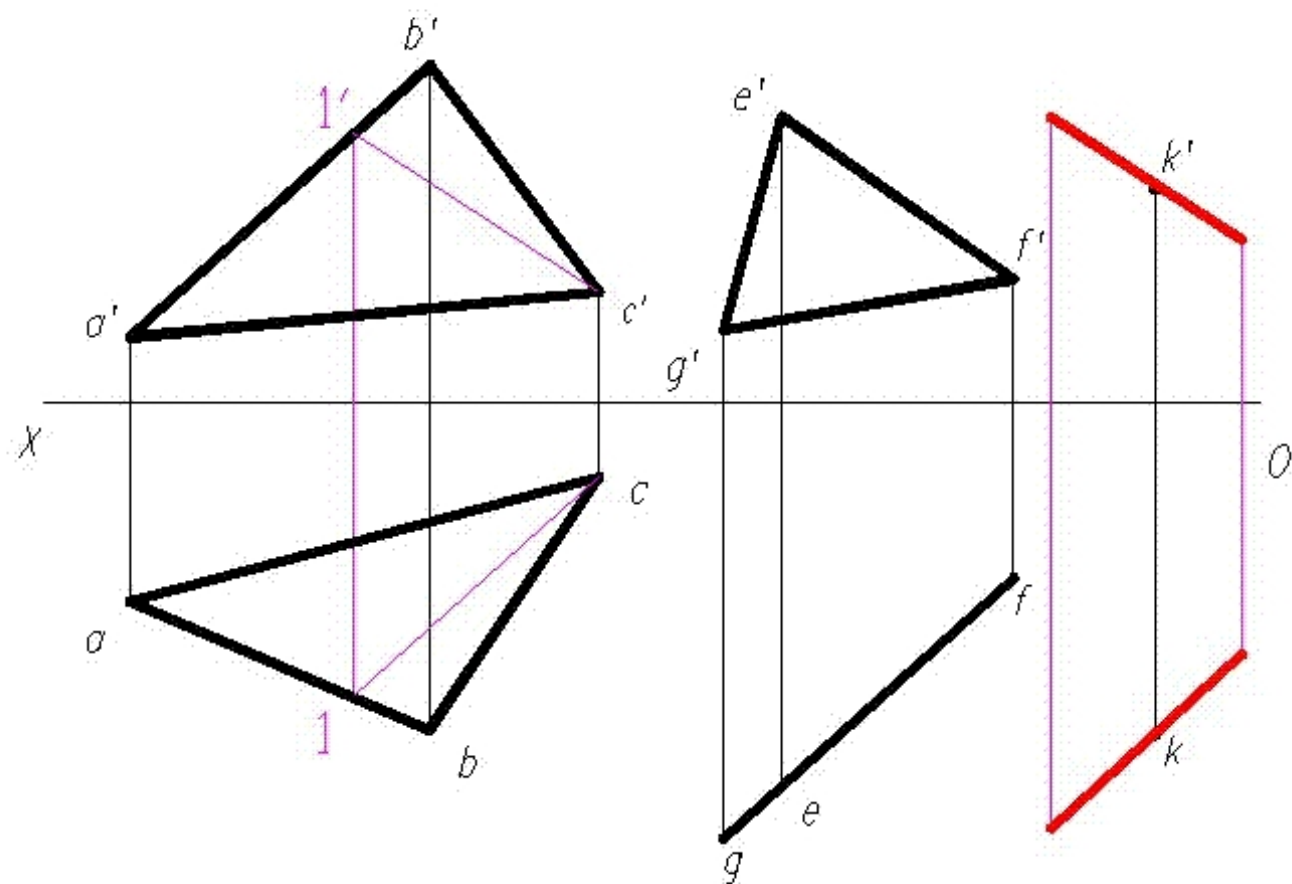
第83页

第84页

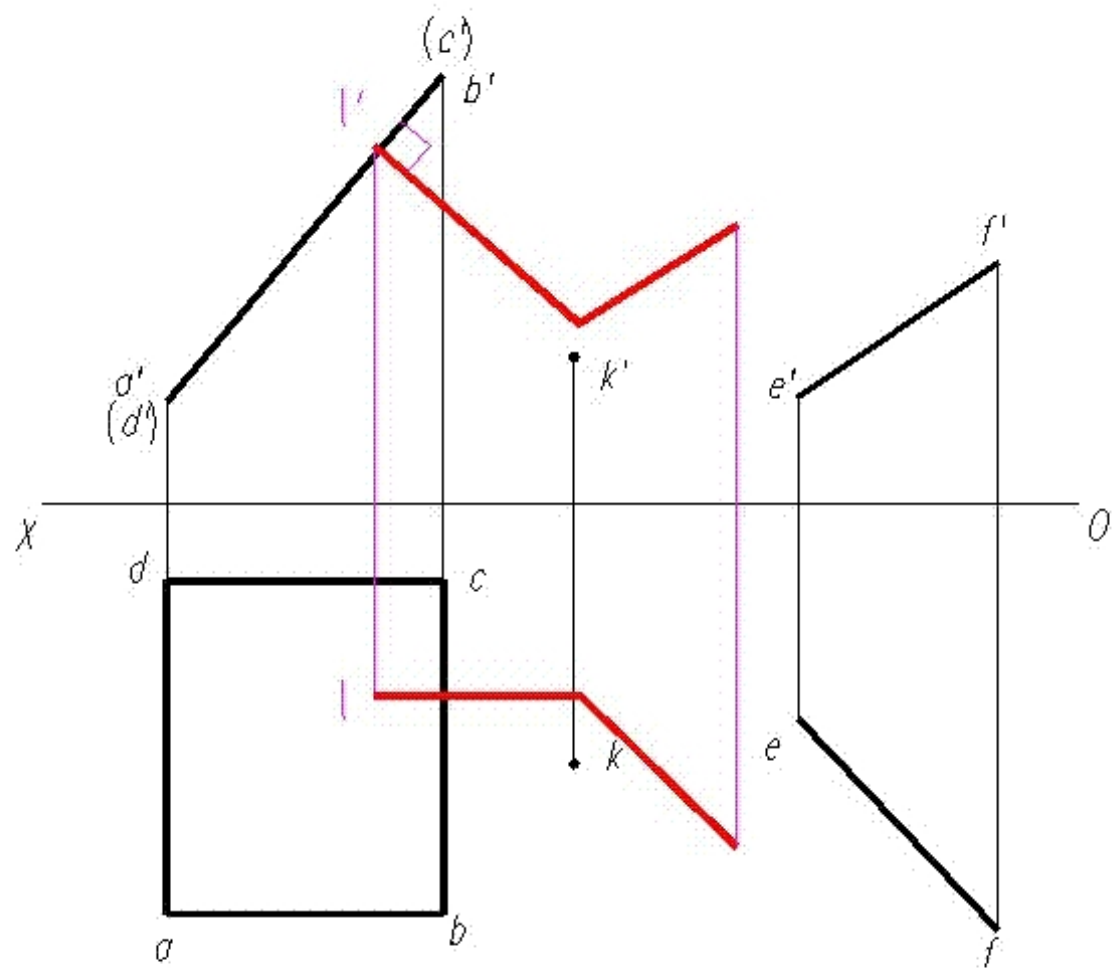
81-1. 用换面法求三角形ABC与三角形DEF的交线MN，并判别可见性。



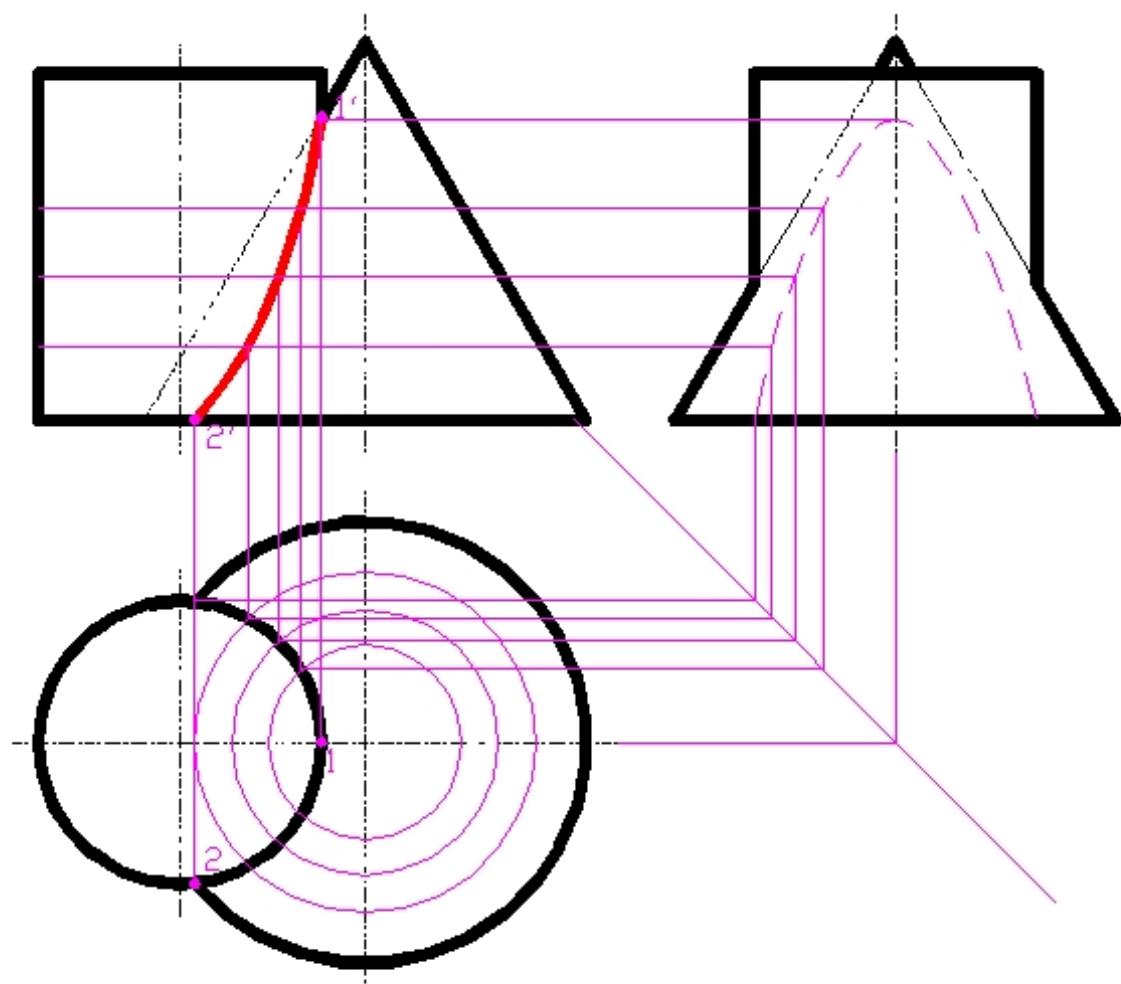
81-2. 过点K作直线平行于三角形ABC和三角形EFG



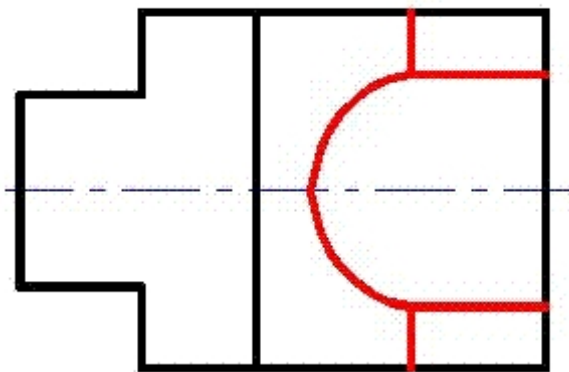
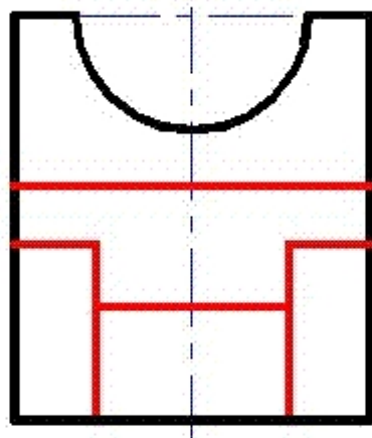
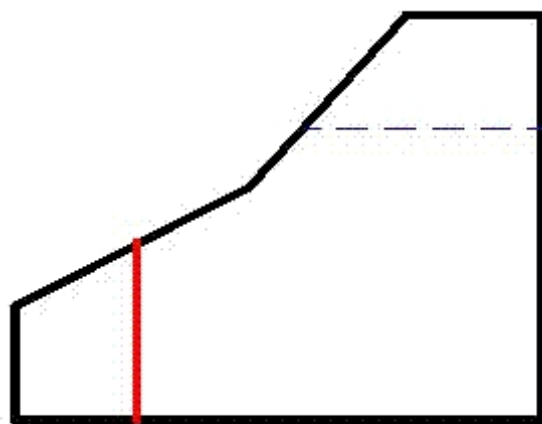
81-3. 过点k作平面平行于直线EF，且垂直于平面ABCD。



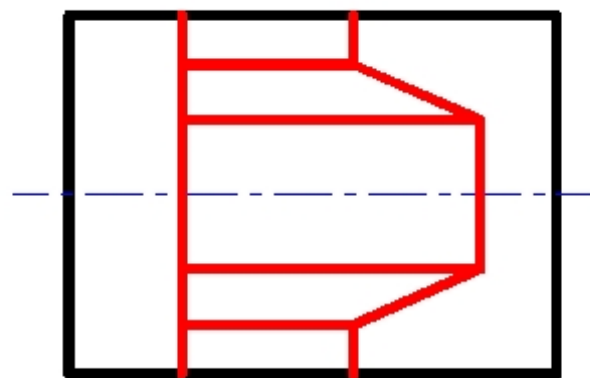
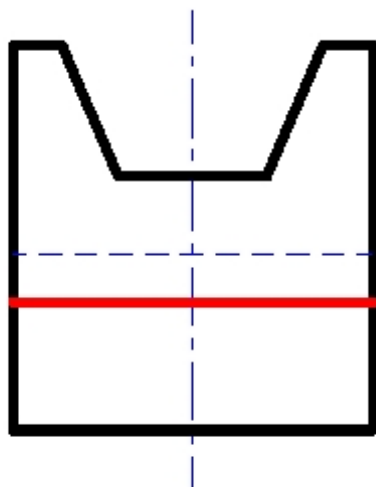
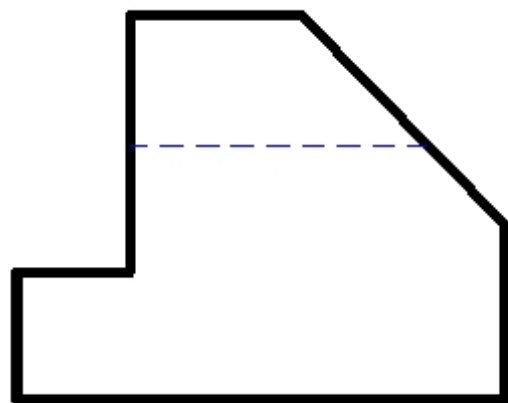
81-4. 画出圆柱与圆锥相交后相贯线的投影。
(标出特殊点的投影并保留作图线)



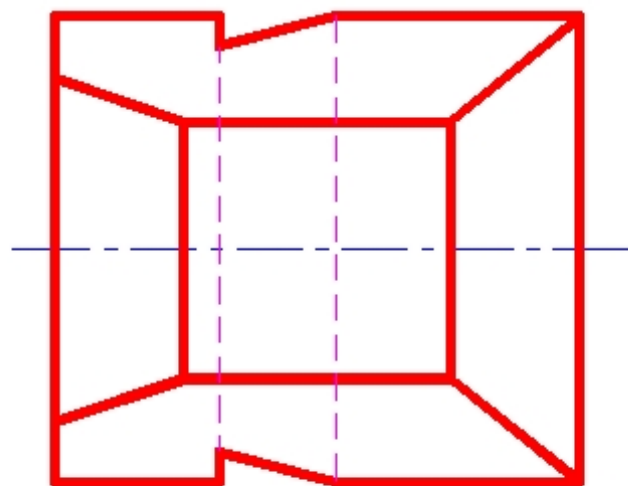
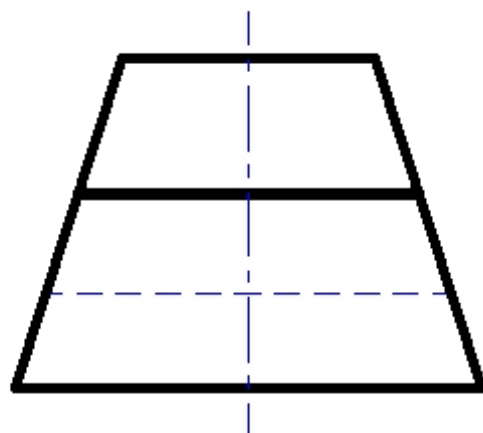
81-5.补画视图中所缺少的图线。



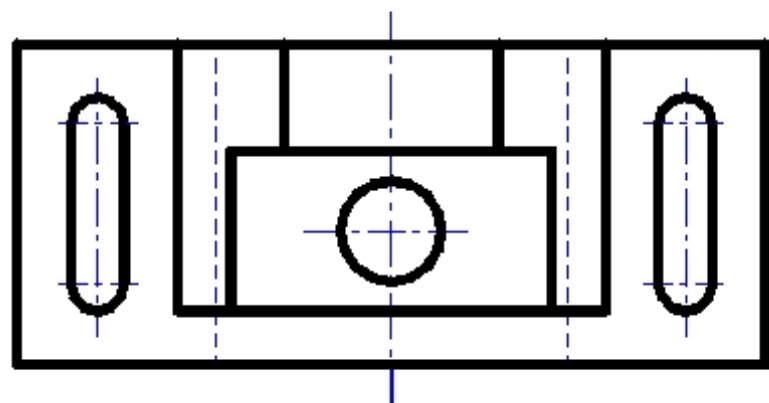
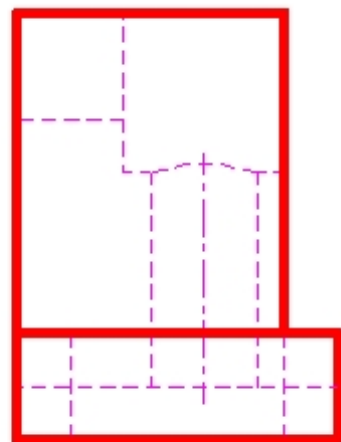
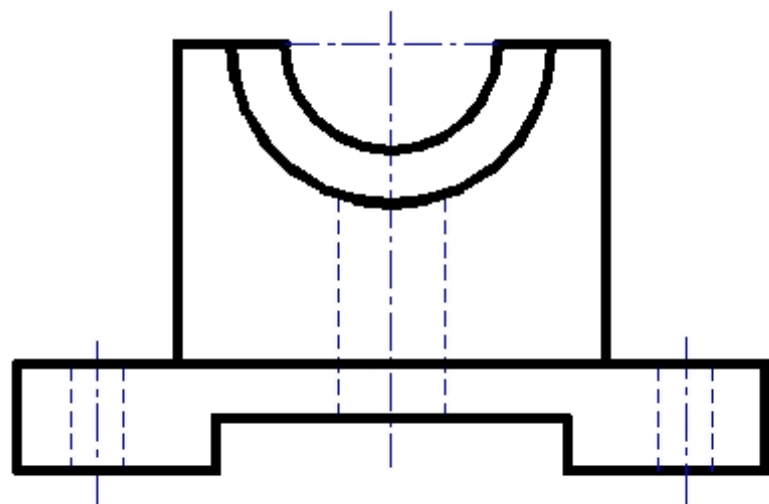
81-6.补画视图中所缺少的图线。



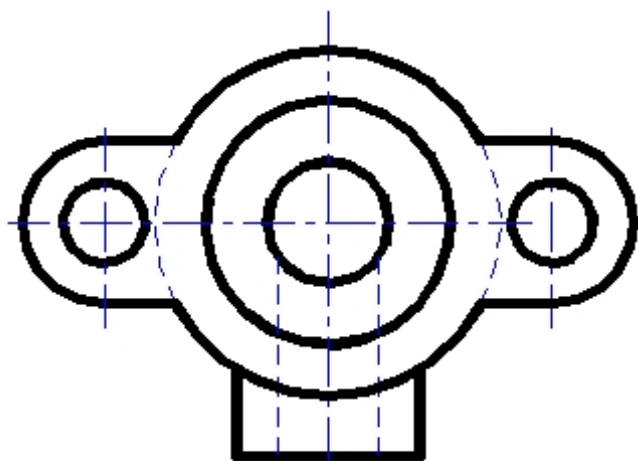
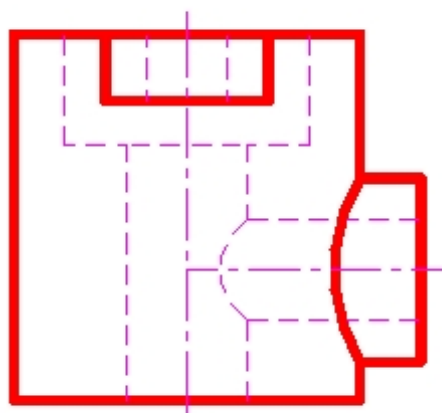
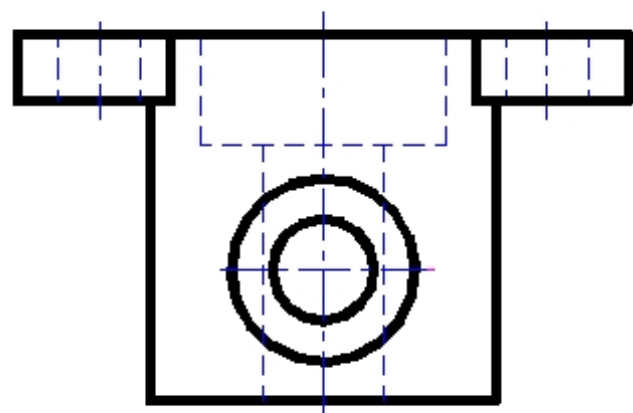
82-1.补画视图中所缺少的图线。



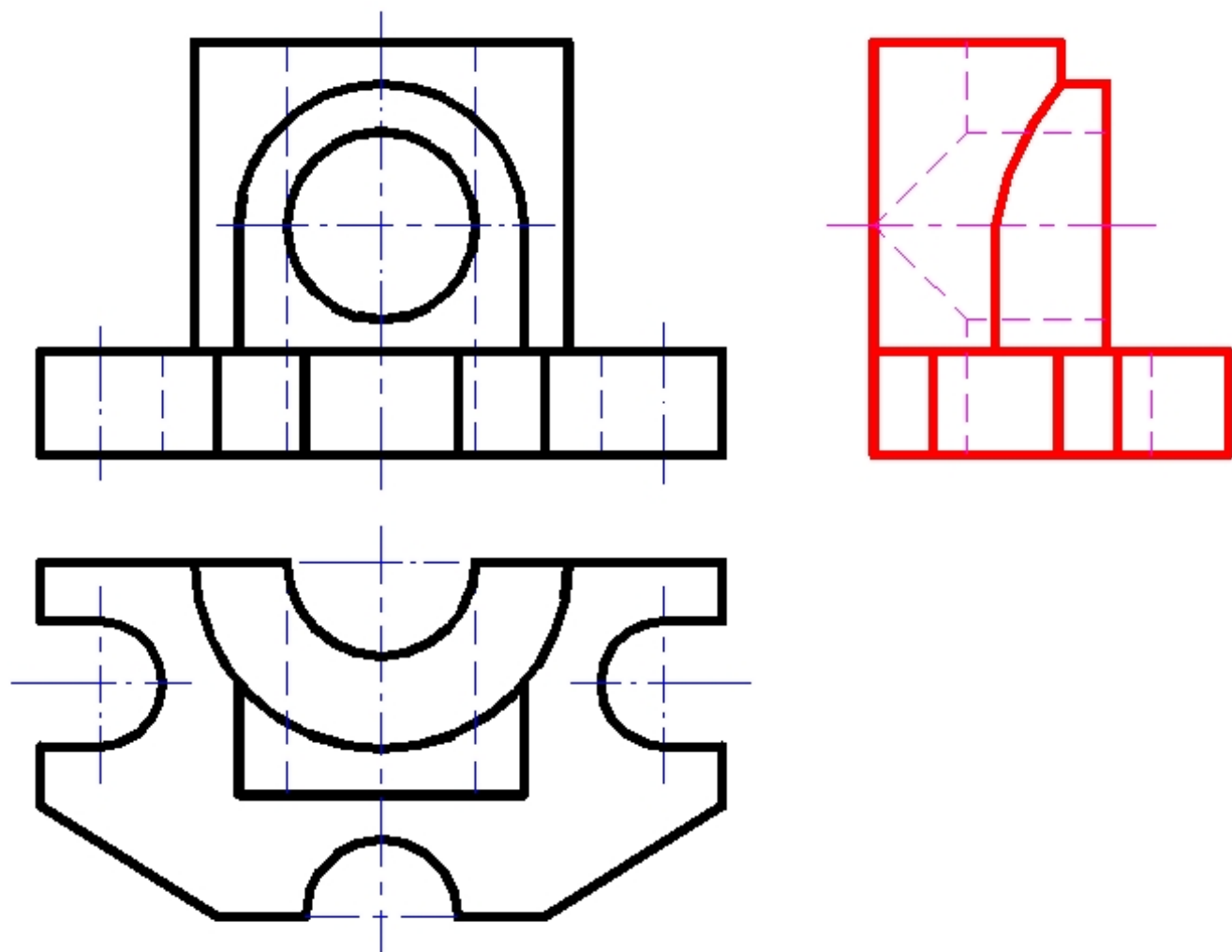
82-2.补画视图中所缺少的图线。



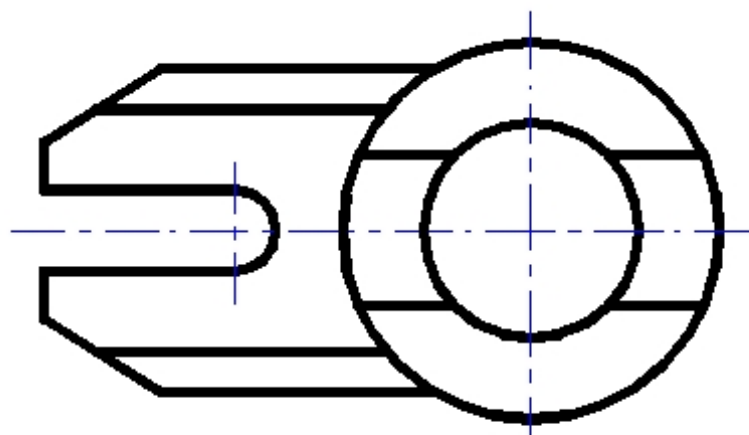
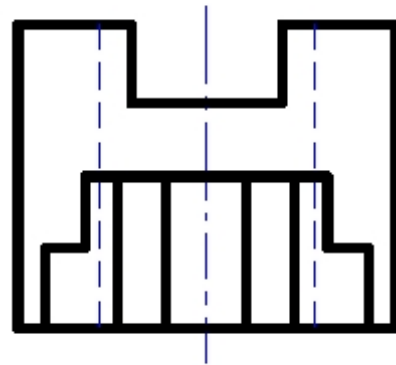
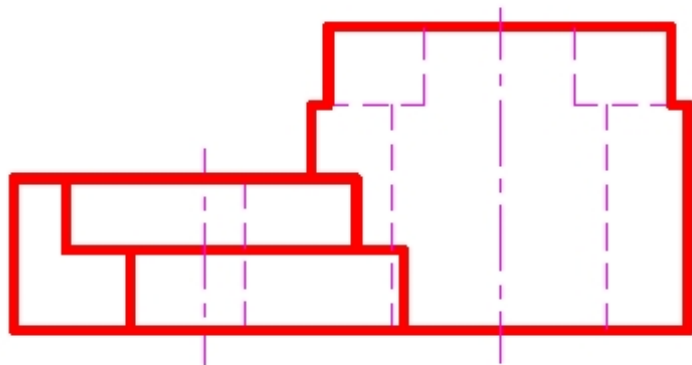
82-3.补画视图中所缺少的图线。



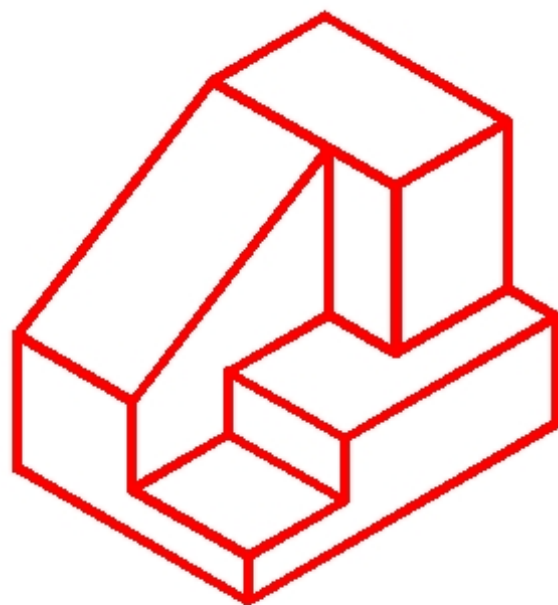
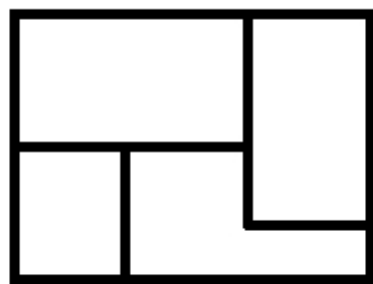
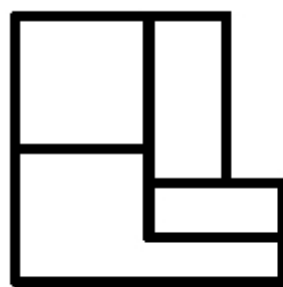
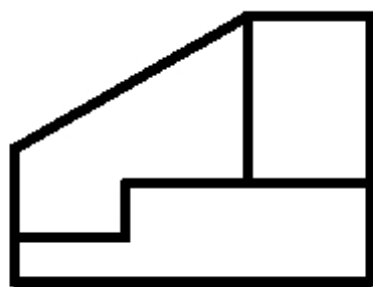
82-4.补画视图中所缺少的图线。



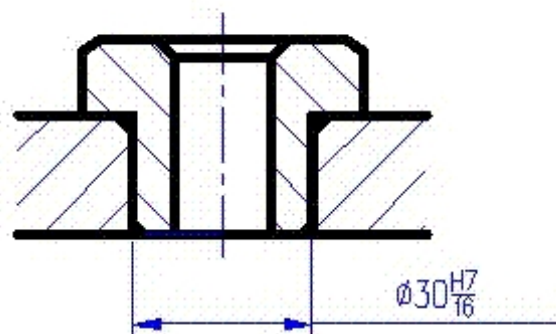
82-5. 已知物体的俯、左视图，补画主视图。



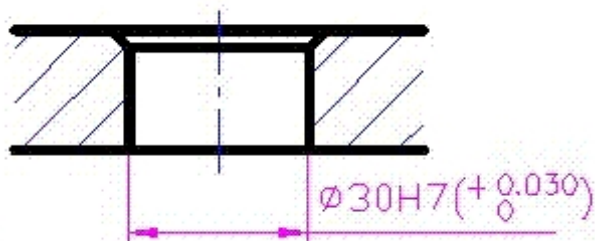
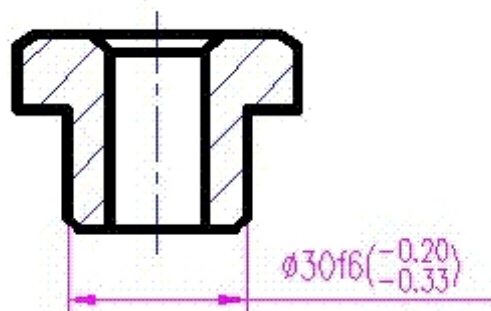
82-6.根据物体的三视图，画出它的轴测图。



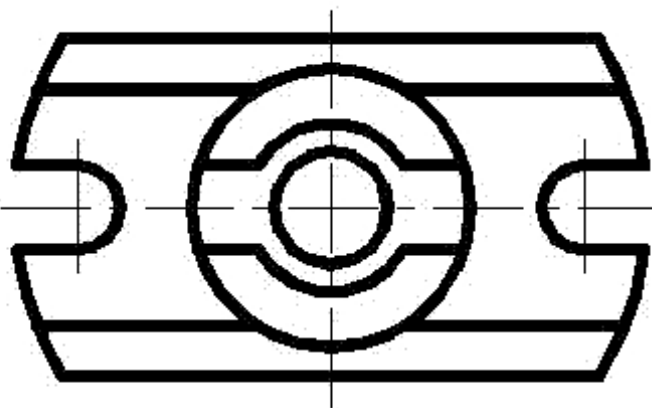
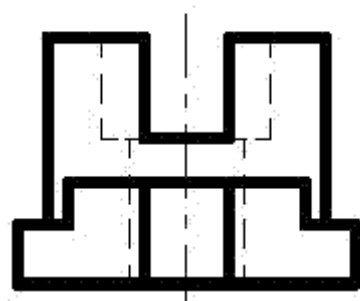
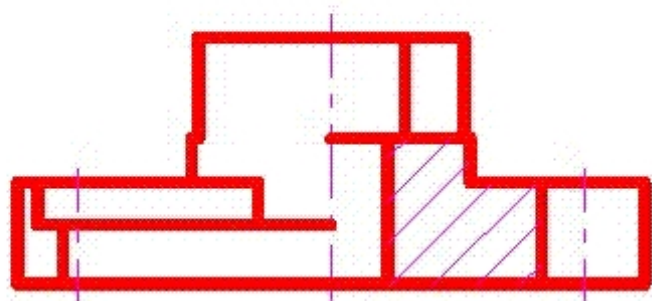
83-1. 根据配合代号，在零件图上分别标出轴和孔的偏差值，并指出是何类配合。



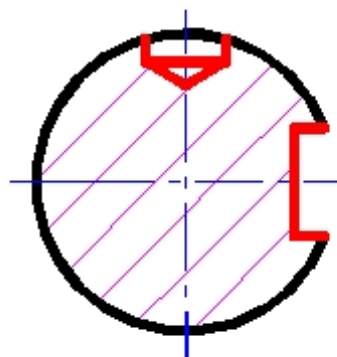
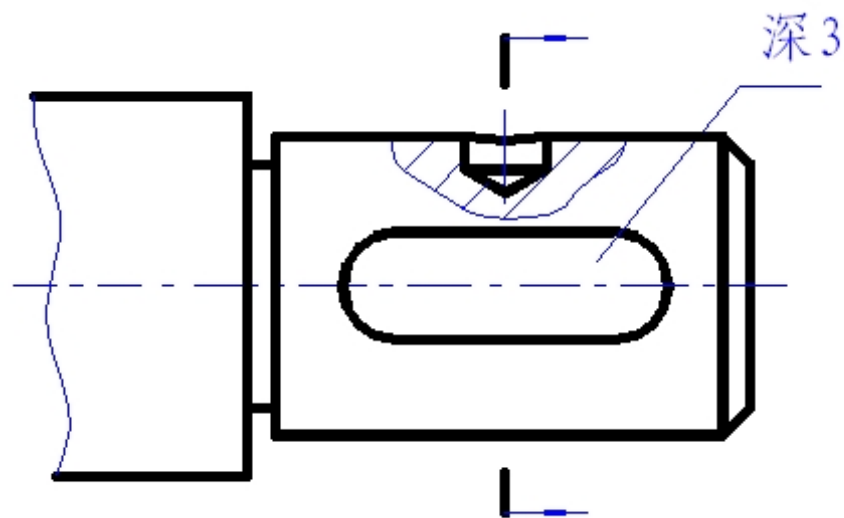
基孔制间隙配合



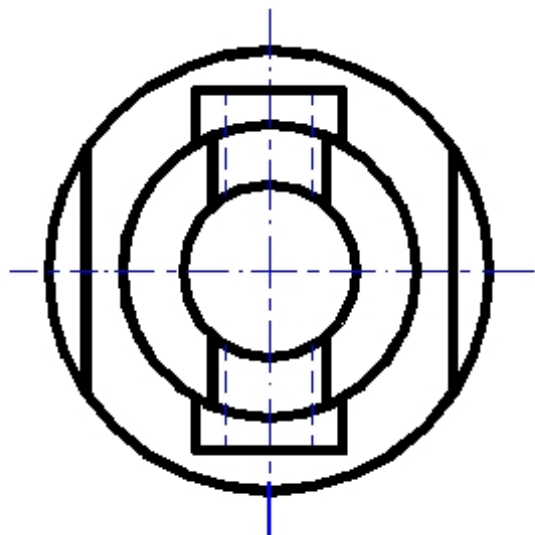
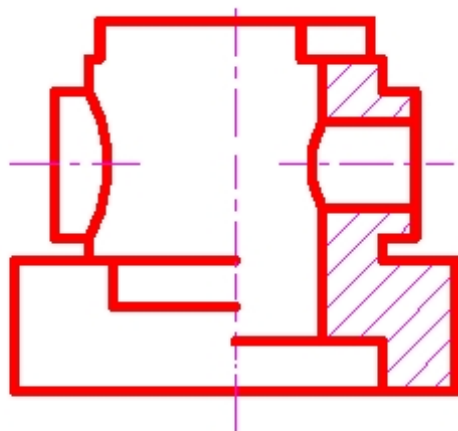
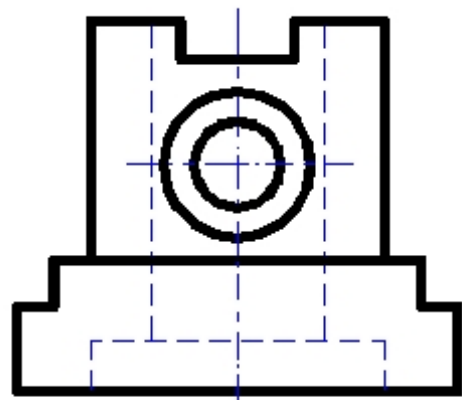
83-2. 已知物体的俯、左视图，画半剖视的主视图。



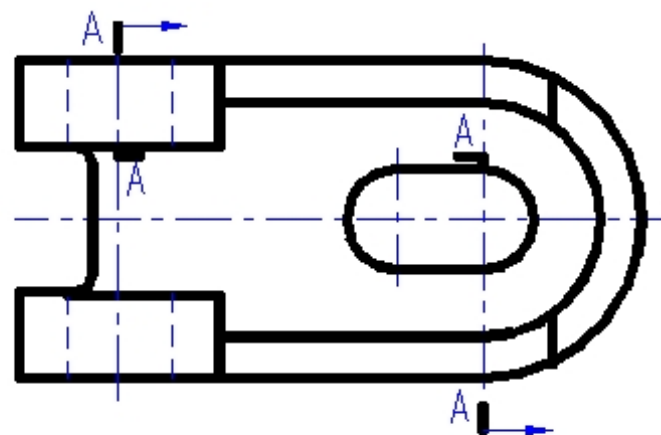
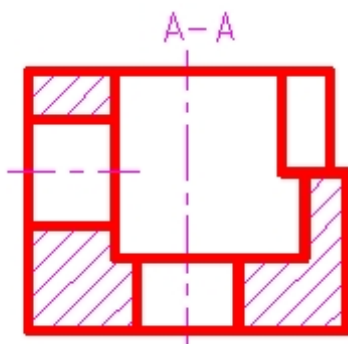
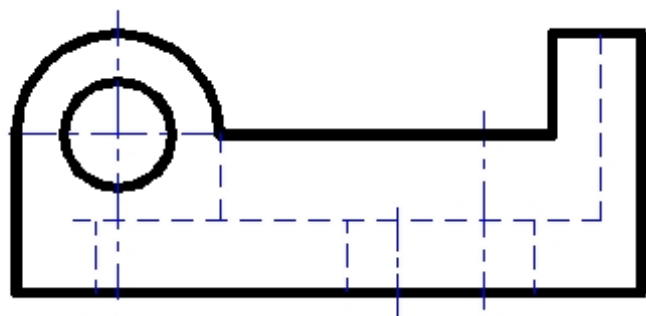
83-3.在指定位置作出断面图。



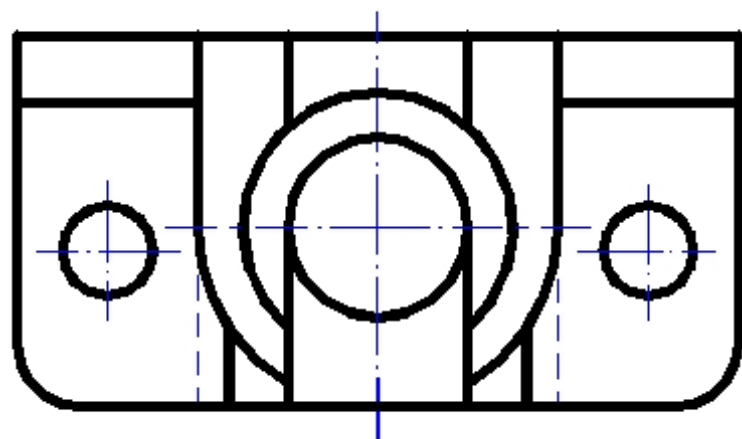
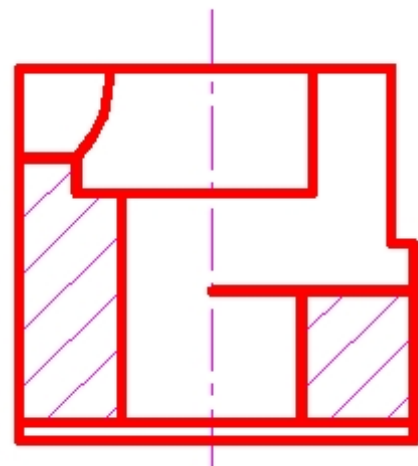
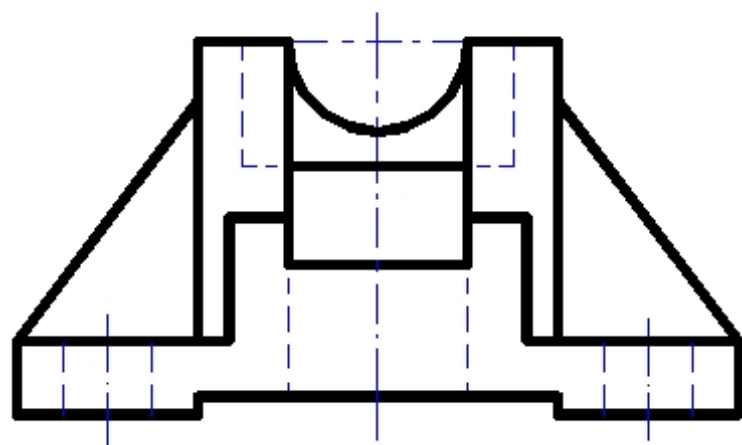
83-4. 已知物体的主、俯视图，补画半剖视的左视图。

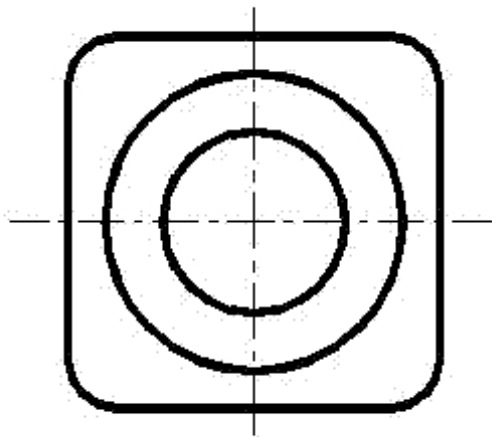
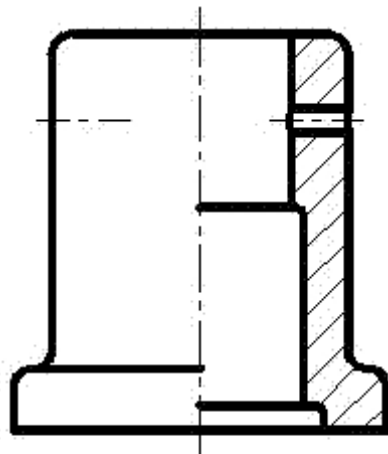


83-5. 已知物体的主、俯视图，补画A-A剖的左视图。



83-6. 已知物体的主、俯视图，画全剖视的左视图。





84 读千斤顶装配图

回答问题并拆画件2（支座）的零件图

（1）千斤顶的**功能是顶起重物**，千斤顶由**9**个零件装配而成。

（2）该装配图由**3**个视图表达，其中主视图采用**半剖视图+局部剖图**表达。

（3）螺钉（件1）在千斤顶中的作用是**固定螺杆位置**。

（4）配合尺寸 $\phi 45H8/js7$ 中,孔的公差带代号是**H8**，轴的公差带代号是**js7**，孔与轴采用的是**基孔制间隙配合**。

（5）千斤顶的组装顺序是：

**螺杆 7 --- 套螺母 5 --- 垫片 1 --- 螺钉 2 ----- 底座 3 ----- 螺钉 4
--- 顶头 9 --- 螺钉 8 --- 板杆 6**

（6）简述该千斤顶工作的操作过程。

转动板杆 6 可使螺杆 7 上下移动。