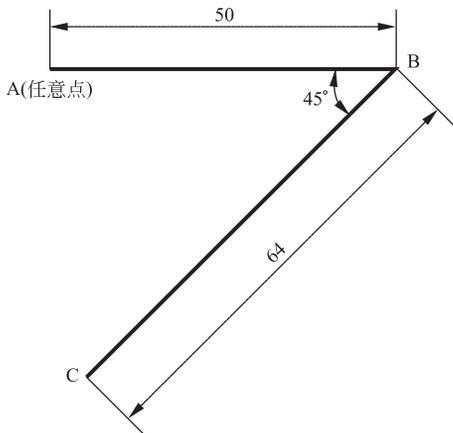


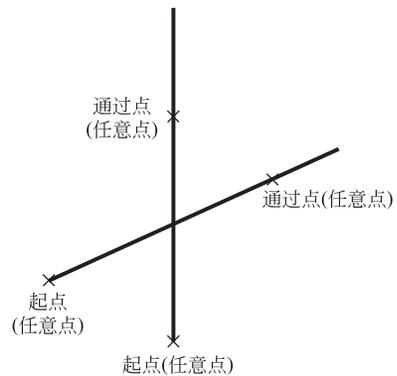
第 2 章 基本绘图命令练习

2-1 按要求在适当位置绘制以下图形。

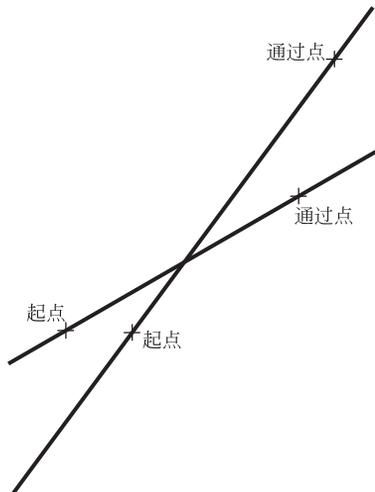
(1) 直线



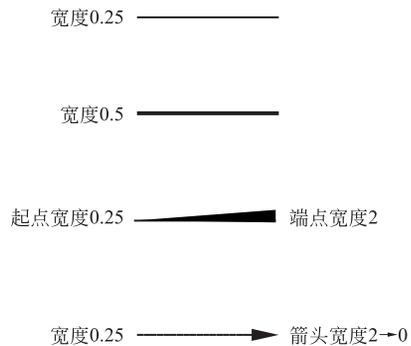
(2) 射线



(3) 参照线 (任意点)

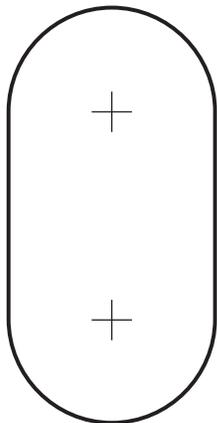


(4) 多段线



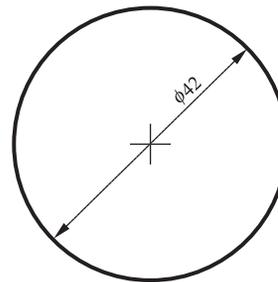
2-2 按要求在适当位置绘制下图形（未注尺寸自定）。

(1) 多段线



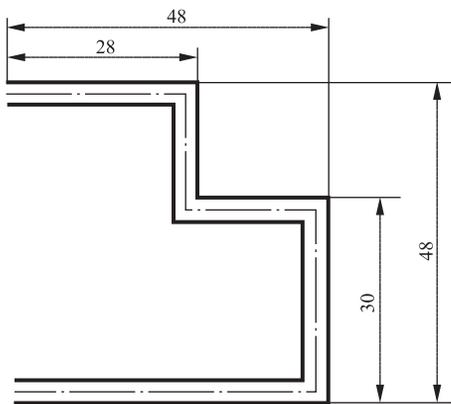
宽度(W):0.5

(2) 圆

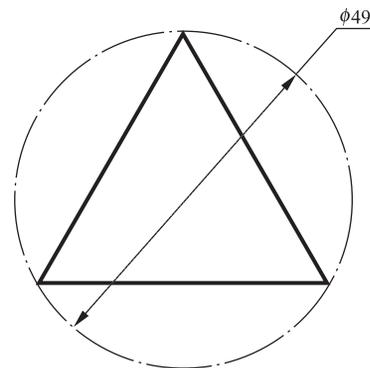


宽度(W):0.5

(3) 多线

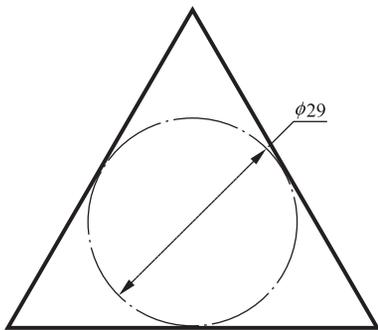


(4) 正多边形

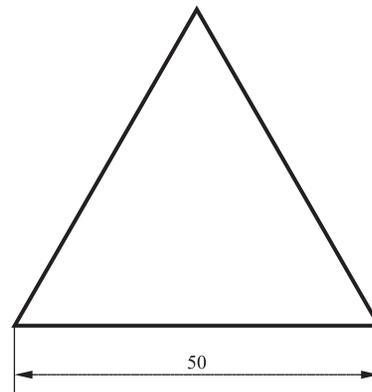


2-3 按要求在适当位置绘制下图形。

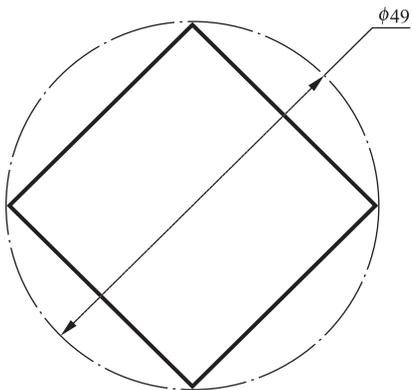
(1) 正多边形



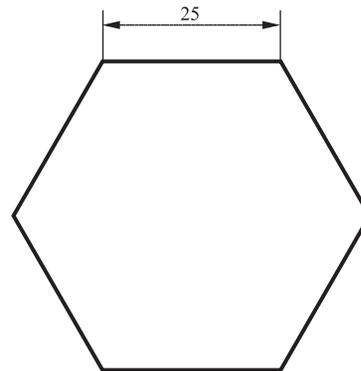
(2) 正多边形



(3) 正多边形

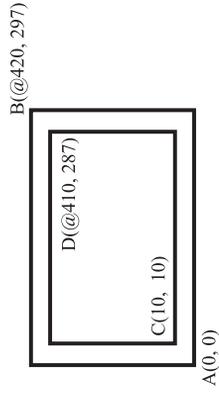


(4) 正多边形

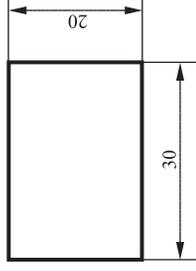


2-4 按要求绘制矩形。

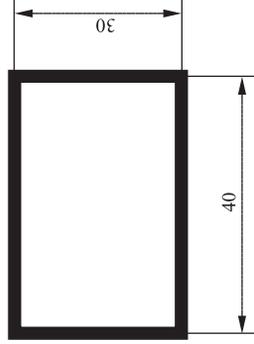
(1) 画 A3 的纸边及边框线 (线宽为 0.5)



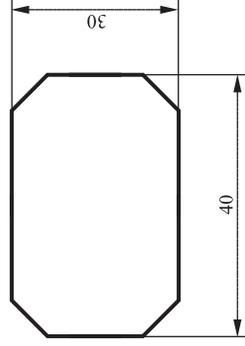
(2) 在 (1) 中画出下列图形 (线宽为 0.5)



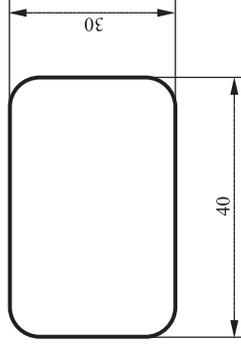
(3) 在 (1) 中画出下列图线 (线宽 W 为 2)



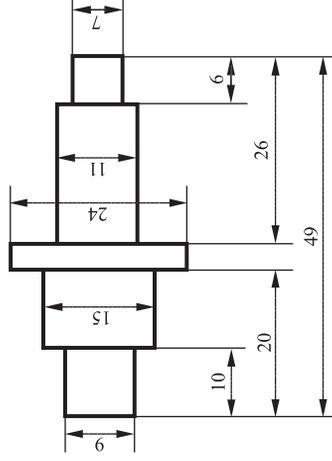
(4) 在 (1) 中画出下列图线 (倒角 C 为 5)



(5) 在 (1) 中画出下列图线 (圆角为 5)

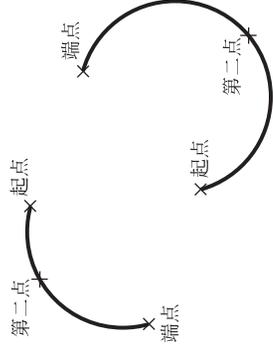


(6) 在 (1) 中画出下列图线

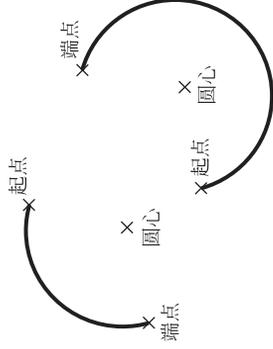


2-5 绘制圆弧 (一)。

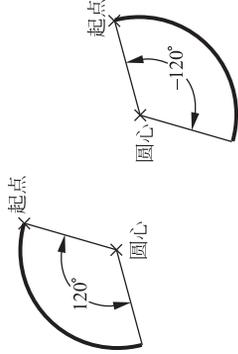
(1) 三点



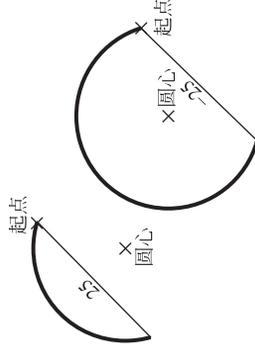
(2) 起点、圆心、端点



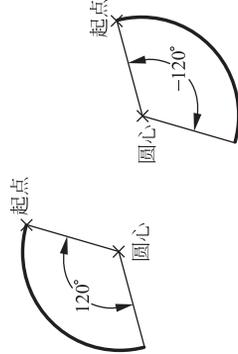
(3) 起点、圆心、角度



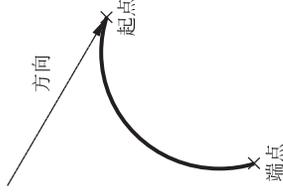
(4) 起点、圆心、长度



(5) 起点、端点、角度

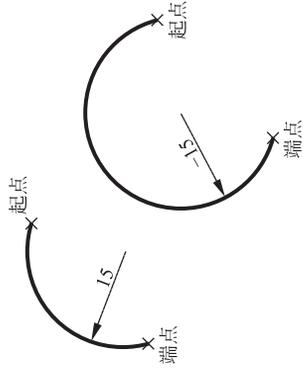


(6) 起点、端点、方向

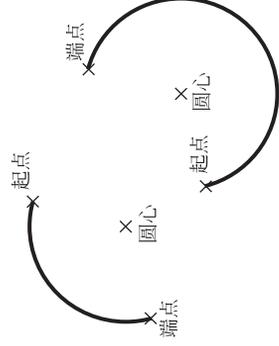


2-6 绘制圆弧 (二)。

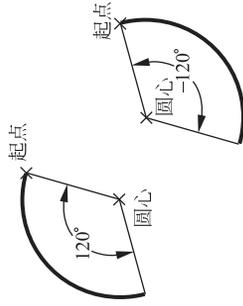
(1) 起点、端点、半径



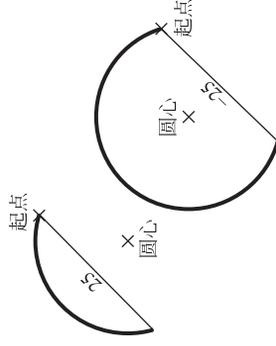
(2) 圆心、起点、端点



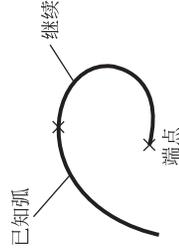
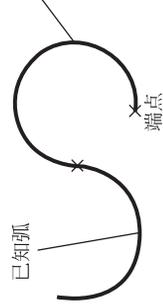
(3) 圆心、起点、角度



(4) 圆心、起点、长度

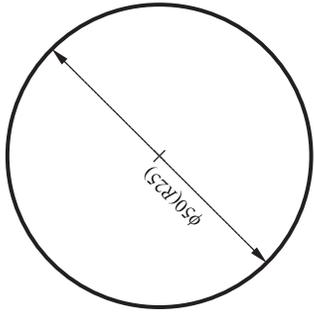


(5) 继续

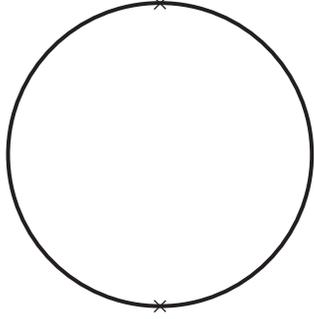


2-7 绘制圆。

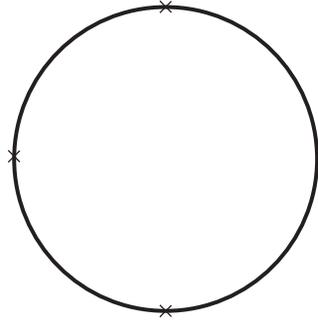
(1) 圆心、半径 (直径 D)



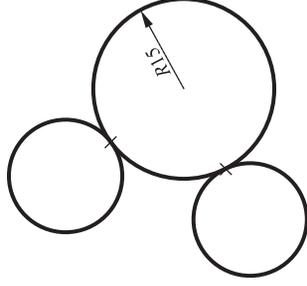
(2) 两点 (2P)



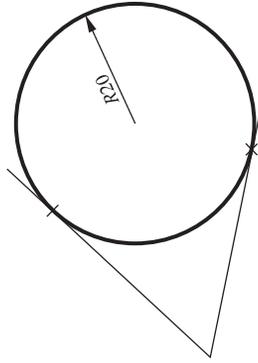
(3) 三点 (3P)



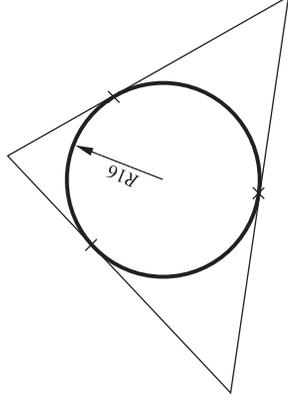
(4) 相切、相切、半径



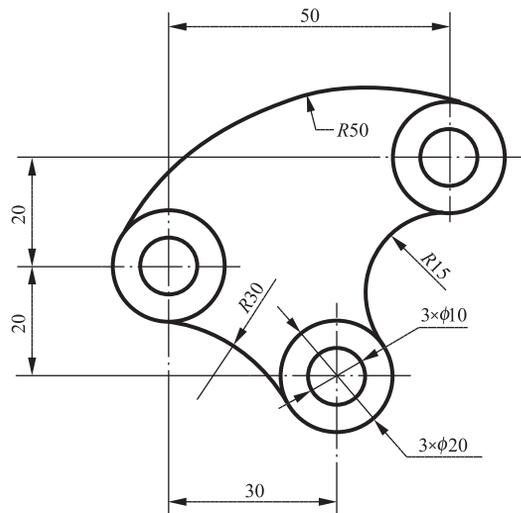
(5) 相切、相切、半径



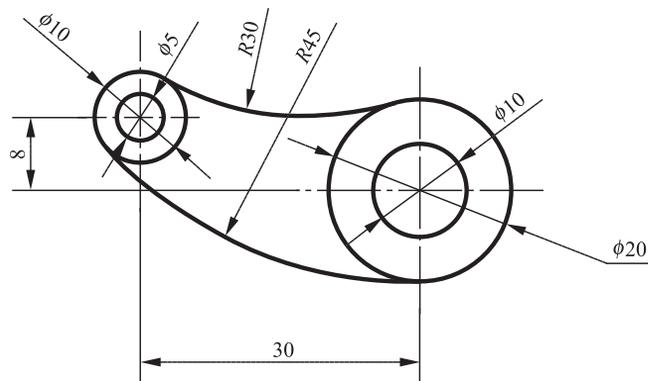
(6) 相切、相切、相切



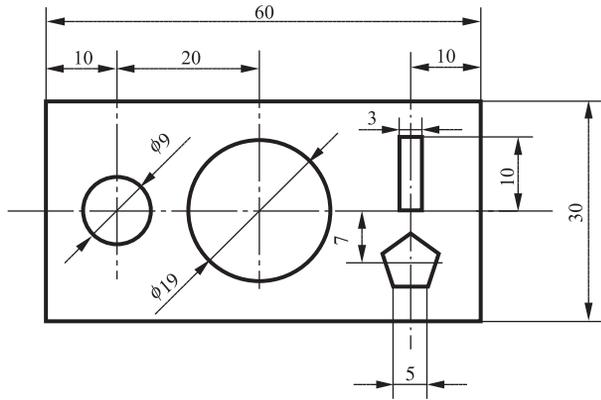
2-8 根据给定的尺寸绘制下列图形。



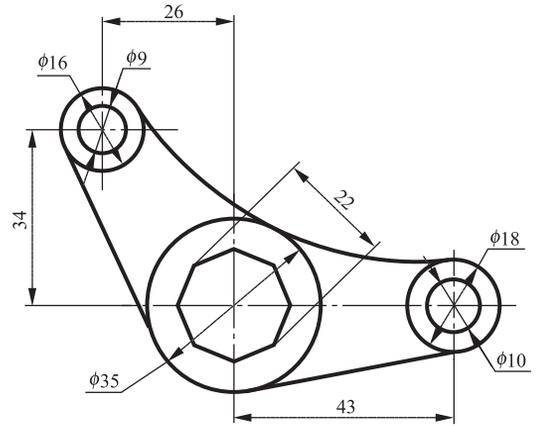
2-9 根据给定的尺寸绘制下列图形。



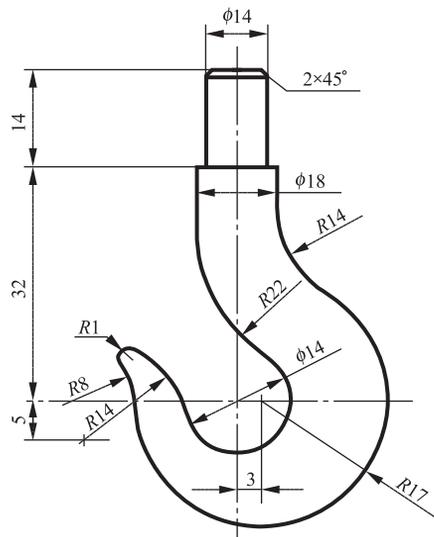
2-10 根据给定的尺寸绘制下列图形。



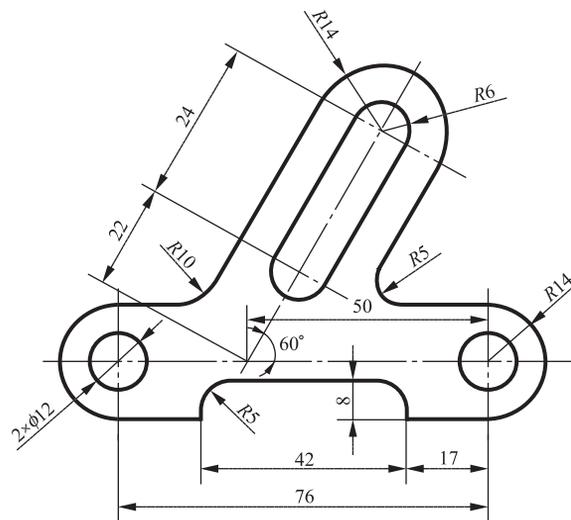
2-11 根据给定的尺寸绘制下列图形。



2-12 根据给定的尺寸绘制下列图形。

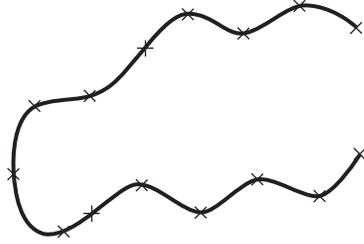


2-13 根据给定的尺寸绘制下列图形。

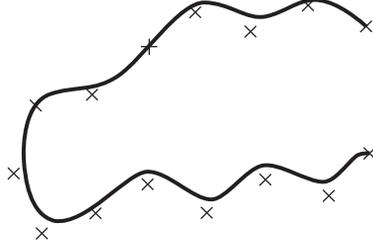


2-14 按要求在适当位置绘制下列图形。

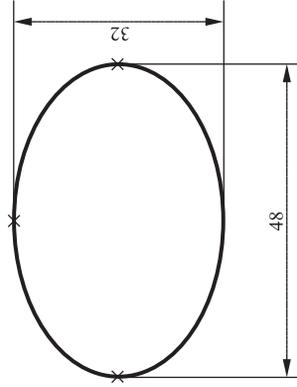
(1) 样条曲线 拟合公差 $\langle 0.0000 \rangle$



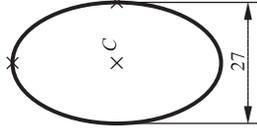
(2) 样条曲线 拟合公差 $\langle 0.3000 \rangle$



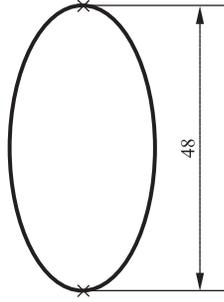
(3) 椭圆弧 指定椭圆的轴端点



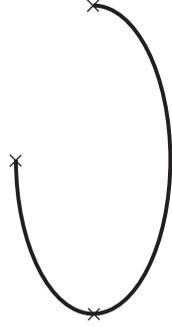
(4) 椭圆弧 指定椭圆的中心点 (C) 和轴端点



(5) 椭圆弧 指定长轴端点, 绕长轴旋转的角度: 60°

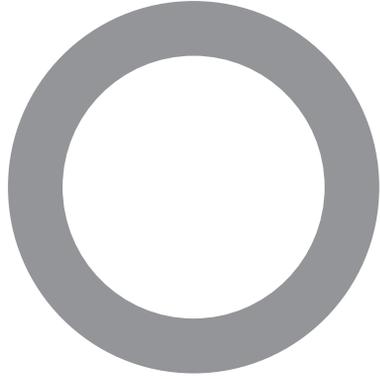


(6) 椭圆弧 起始角度: 90° ; 终止角度: 360°

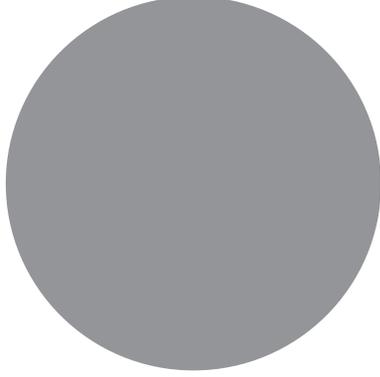


2-15 绘制圆环。

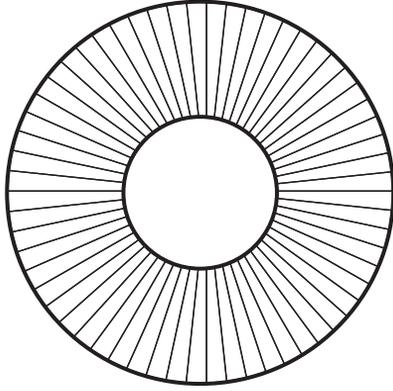
(1) 圆环 FILL 模式：开



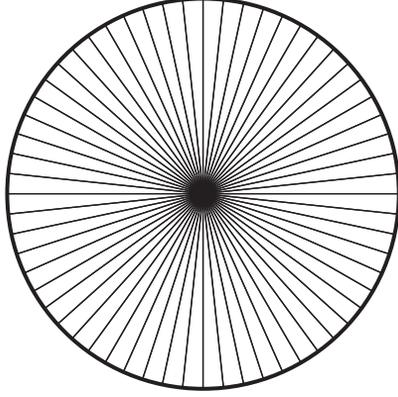
(2) 圆环 FILL 模式：关



(3) 圆环 FILL 模式：关

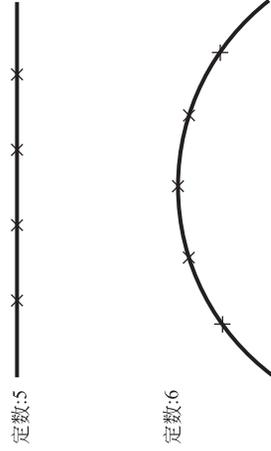


(4) 圆环 FILL 模式：差

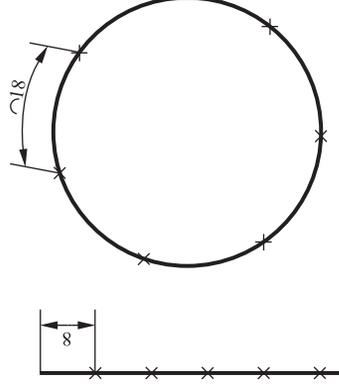


2-16 绘制点。

(1) 点 定数等分点

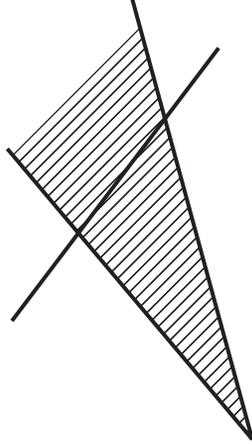


(2) 点 定距等分点

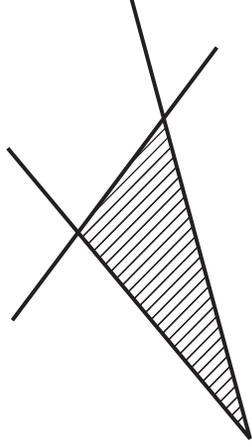


2-17 图案填充。

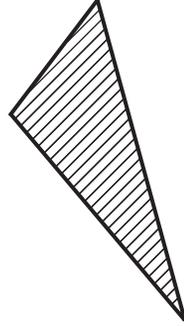
(1) 图案填充 选择对象



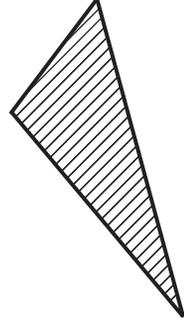
(2) 图案填充 拾取点



(3) 图案填充 拾取点

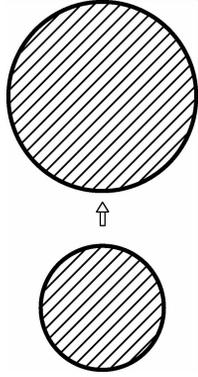


(4) 图案填充 选择对象

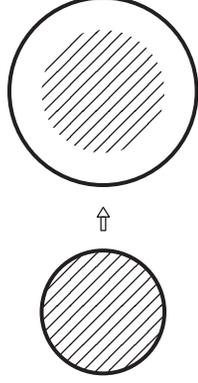


2-18 图案填充。

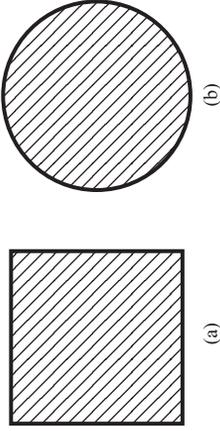
(1) 图案填充 关联：改变圆的尺寸



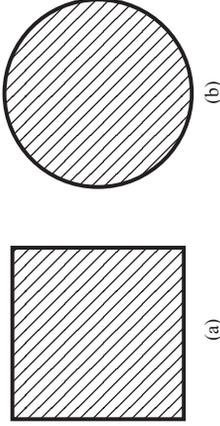
(2) 图案填充 不关联：改变圆的尺寸



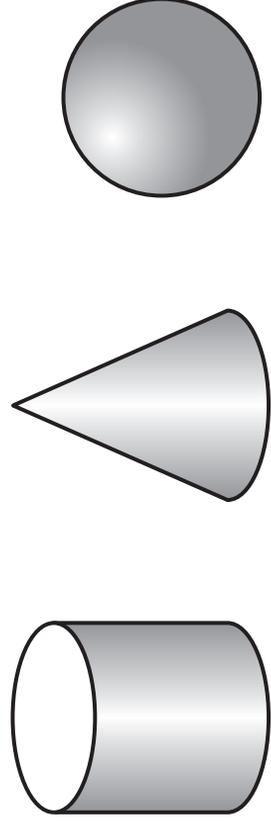
(3) 图案填充 不独立：(a) (b) 填充不能独立编辑



(4) 图案填充 独立：(a) (b) 填充可以独立编辑

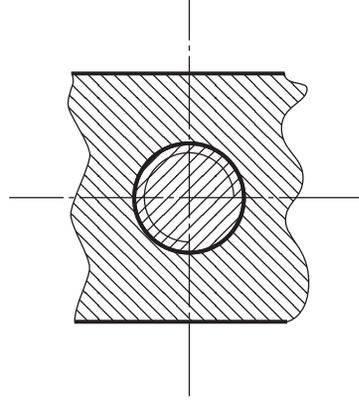


2-19 渐变色。

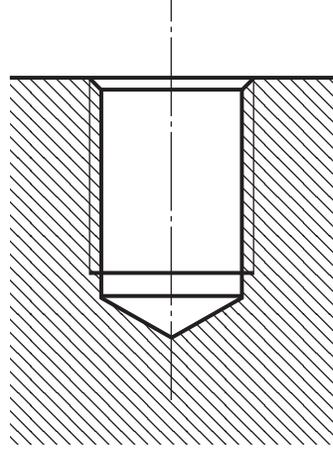


2-20 按要求在适当位置绘制下列图形。

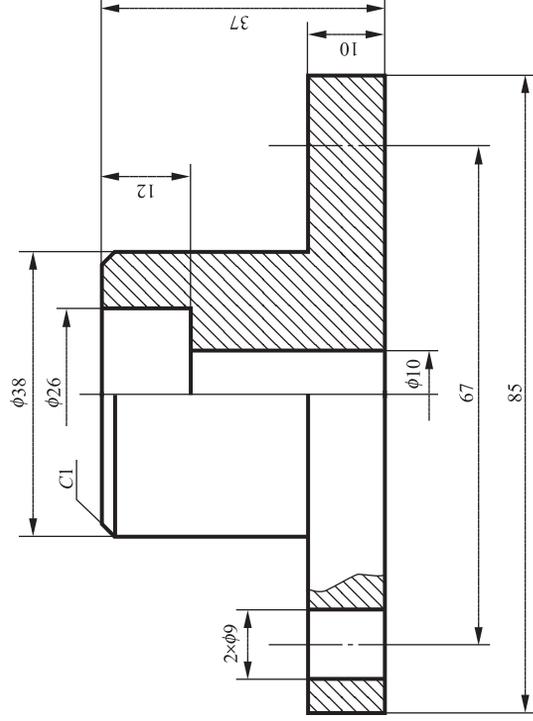
(1)



(2)

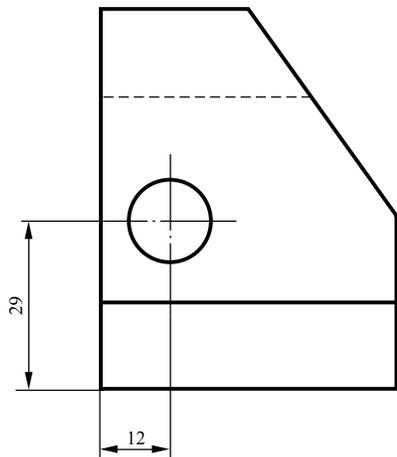


2-21 按要求在适当位置绘制下列图形。

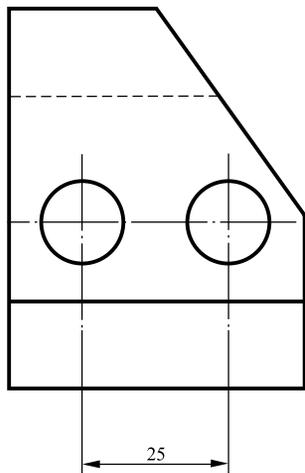


第 3 章 图形的编辑练习

3-1 用镜像命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

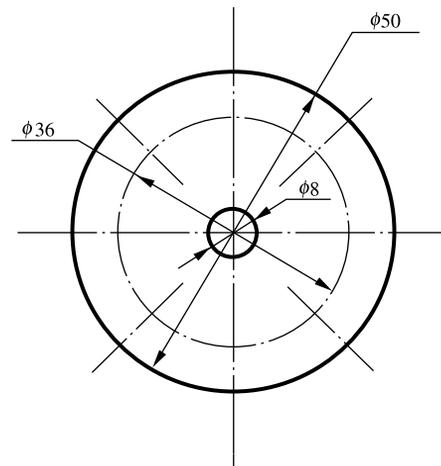


(a)

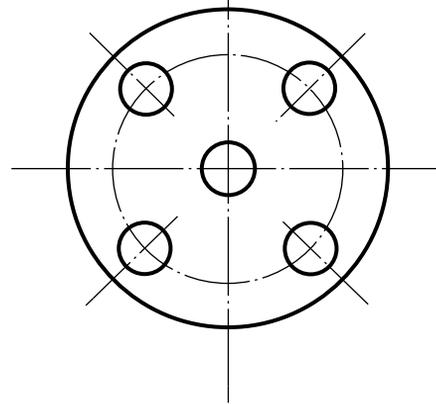


(b)

3-2 用镜像命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

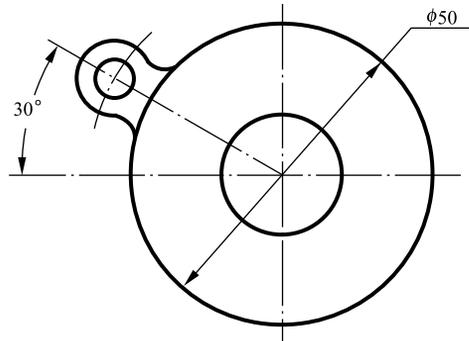


(a)

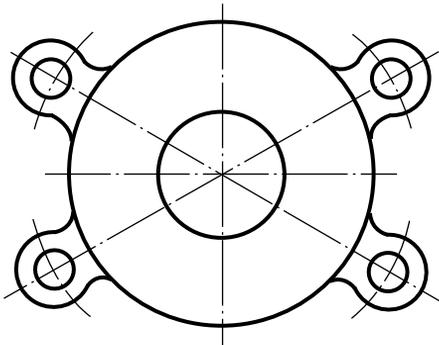


(b)

3-3 用镜像命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

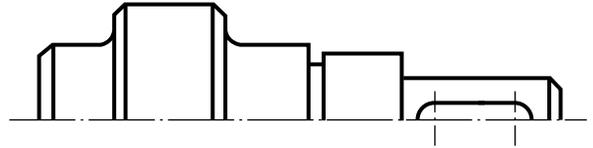


(a)

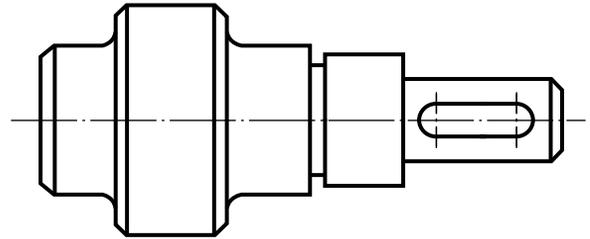


(b)

3-4 用镜像命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

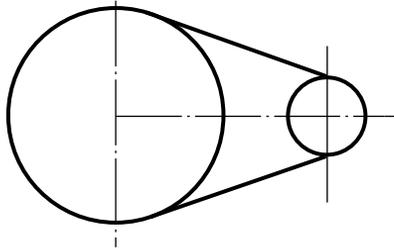


(a)

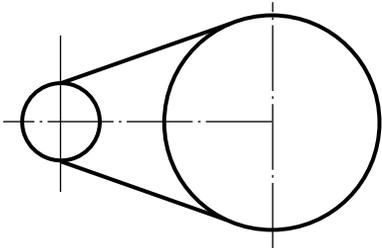


(b)

3-5 用镜像命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)



(a)

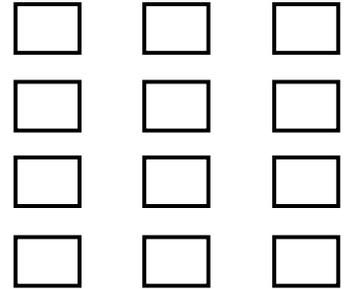


(b)

3-6 矩形阵行数为 4，列数为 3，行偏移为 -12，列偏移为 20，陈列角度为 0。(未注尺寸自定)

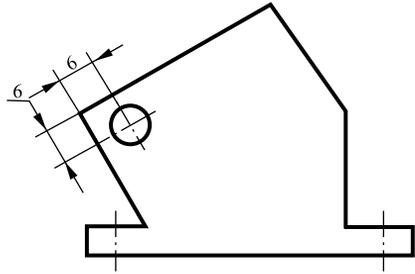


(a)

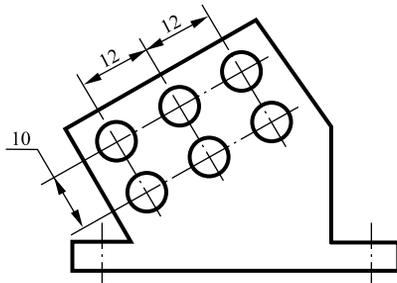


(b)

3-7 用阵列命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

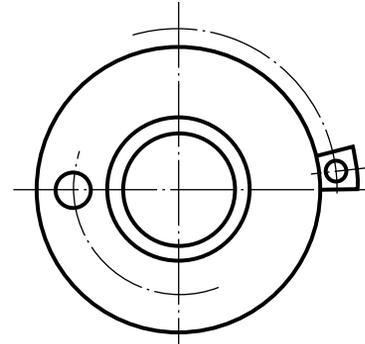


(a)

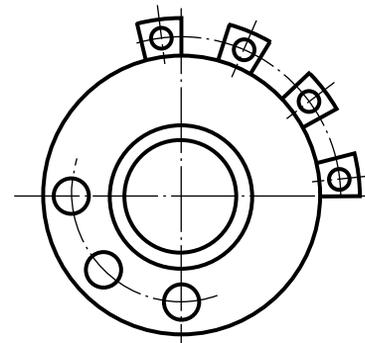


(b)

3-8 用阵列命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

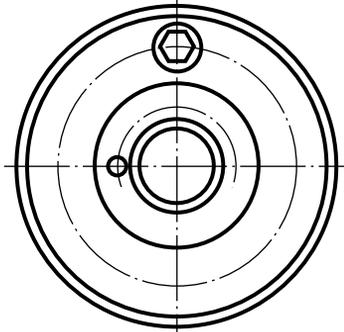


(a)

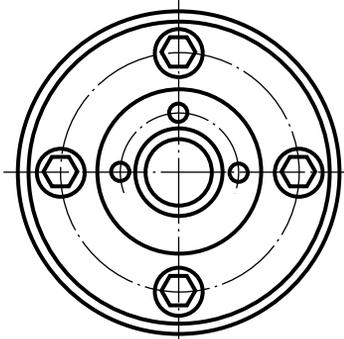


(b)

3-9 用阵列命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

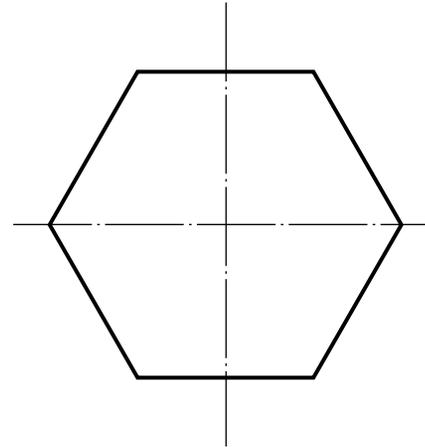


(a)

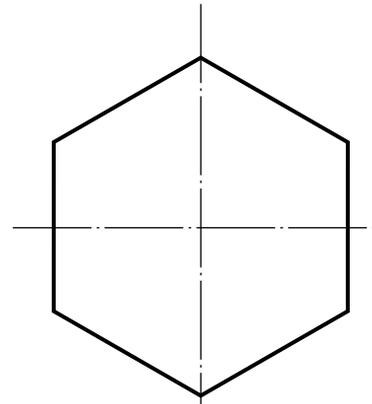


(b)

3-10 用旋转命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

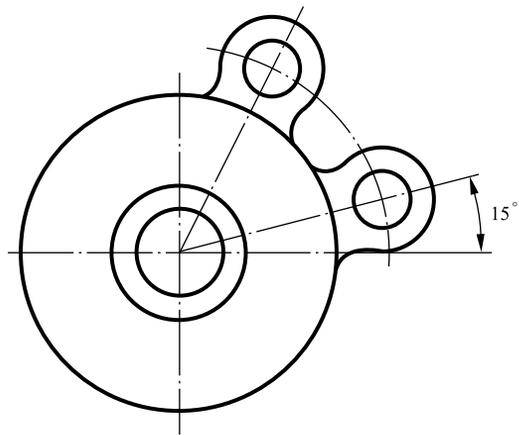


(a)

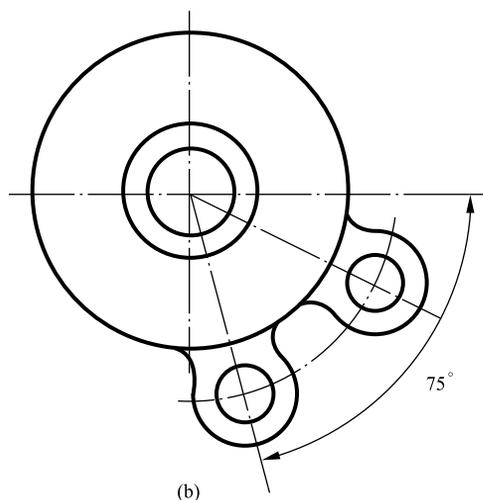


(b)

3-11 用旋转命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

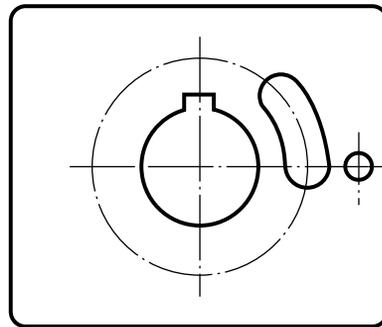


(a)

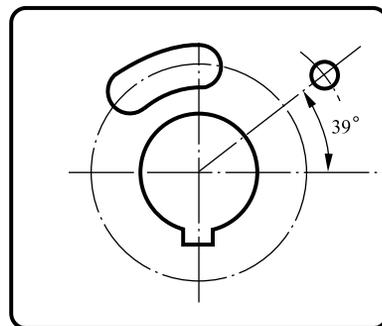


(b)

3-12 用旋转命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

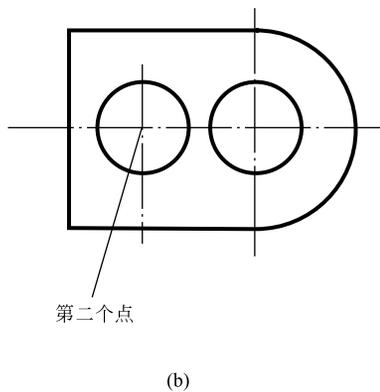
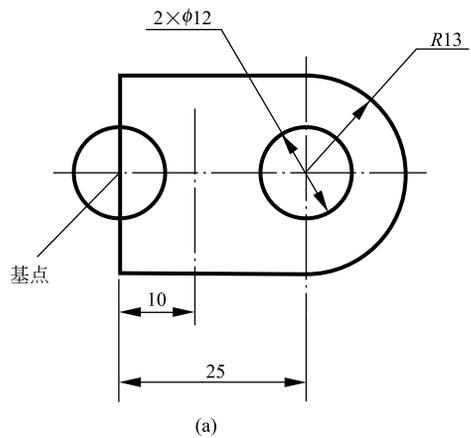


(a)

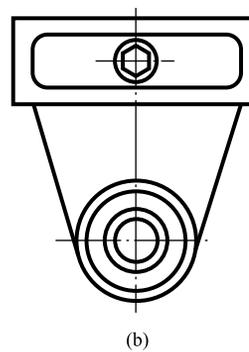
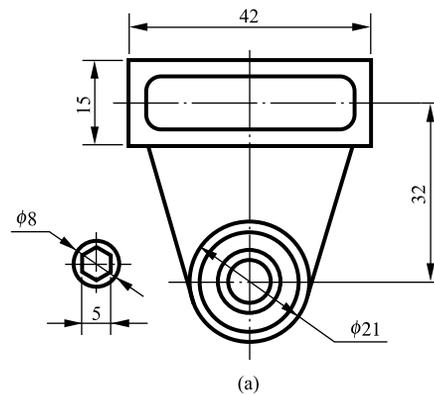


(b)

3-13 用移动命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

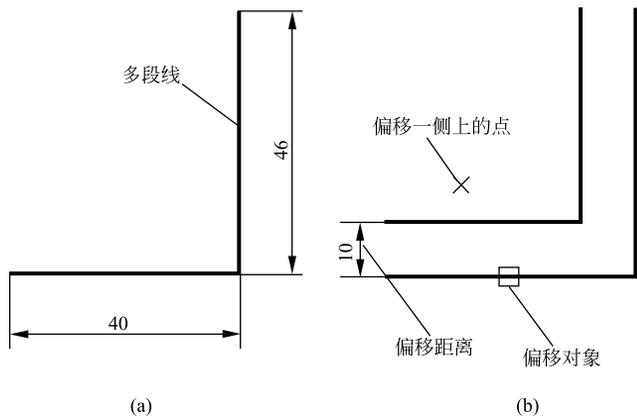


3-14 用移动命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

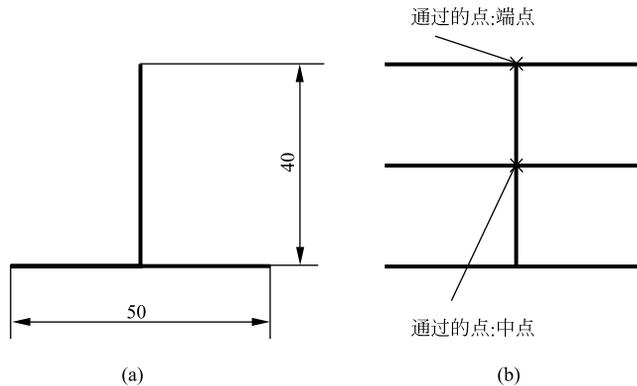


3-15 用偏移命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

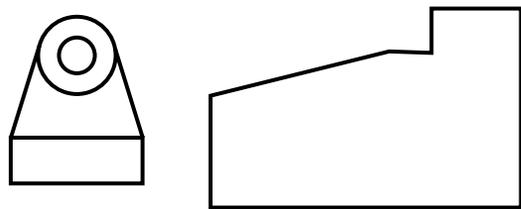
(1) 指定偏移距离



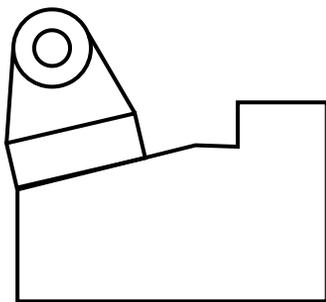
(2) 指定通过的点



3-16 用 ALIGN 命令 (对齐命令) 将 (a) 图编辑成 (b) 图。
(未注尺寸自定)

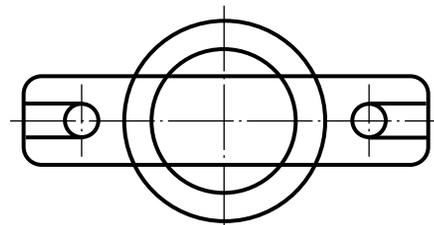


(a)

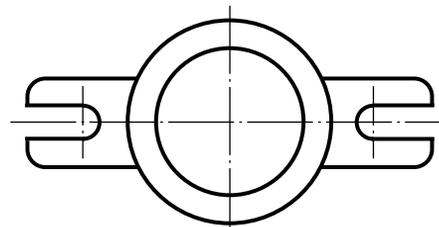


(b)

3-17 用修剪命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

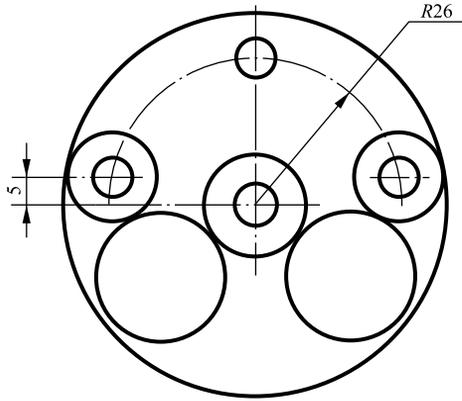


(a)

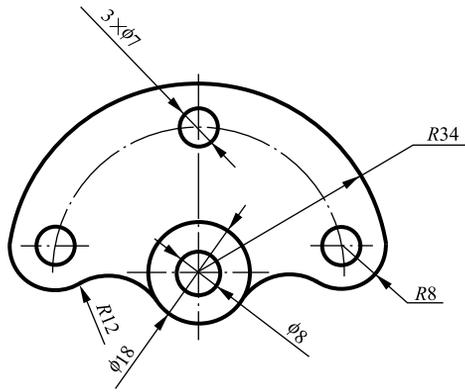


(b)

3-18 用修剪命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

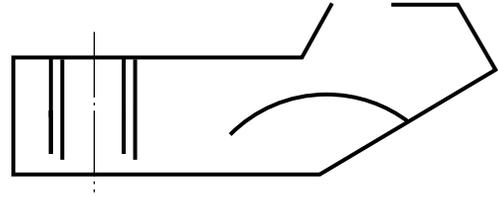


(a)

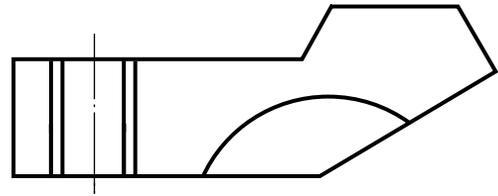


(b)

3-19 用延伸命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)



(a)

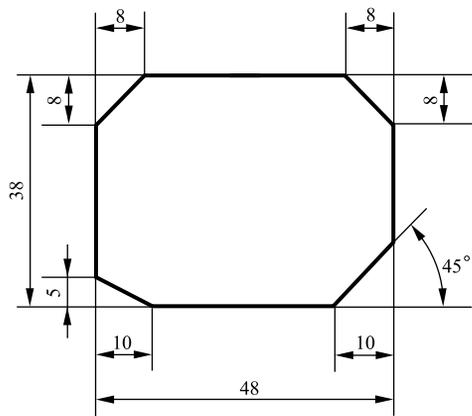


(b)

3-20 用倒角命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

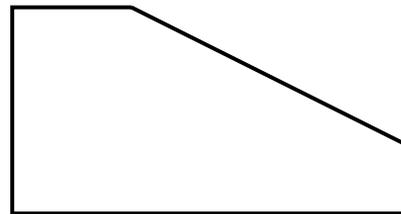


(a)

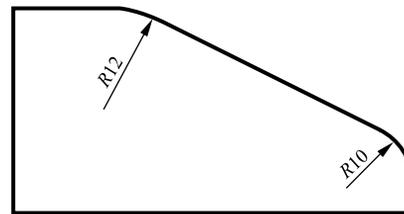


(b)

3-21 用圆角命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

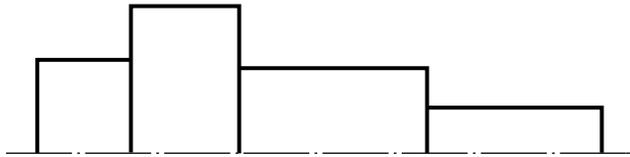


(a)

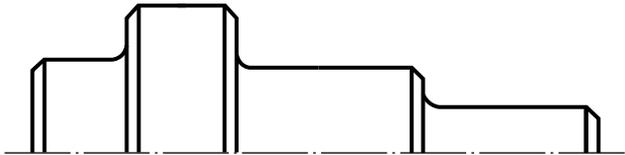


(b)

3-22 用倒角、圆角命令将 (a) 图编辑成 (b) 图。(未注尺寸自定义)

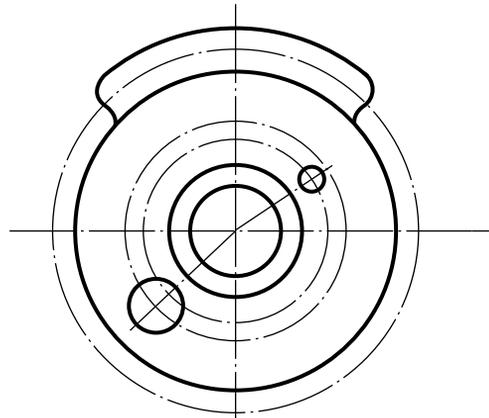


(a)

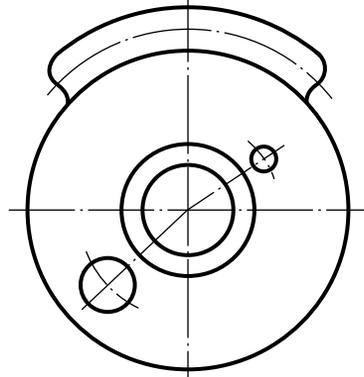


(b)

3-23 用打断命令将 (a) 图编辑成 (b) 图。(未注尺寸自定义)

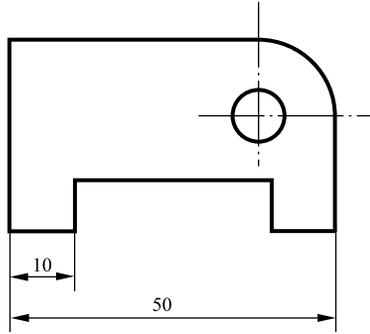


(a)

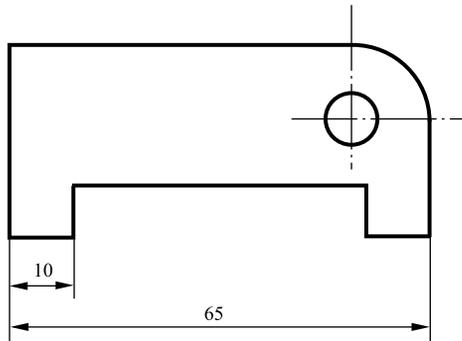


(b)

3-24 用拉伸命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)

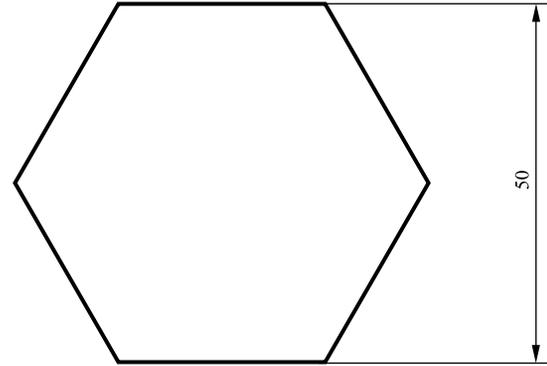


(a)

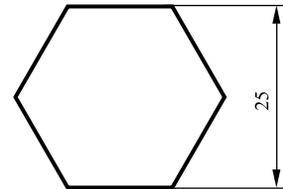


(b)

3-25 用缩放命令将 (a) 图编辑成 (b) 图。(未注尺寸自定)



(a)



(b)