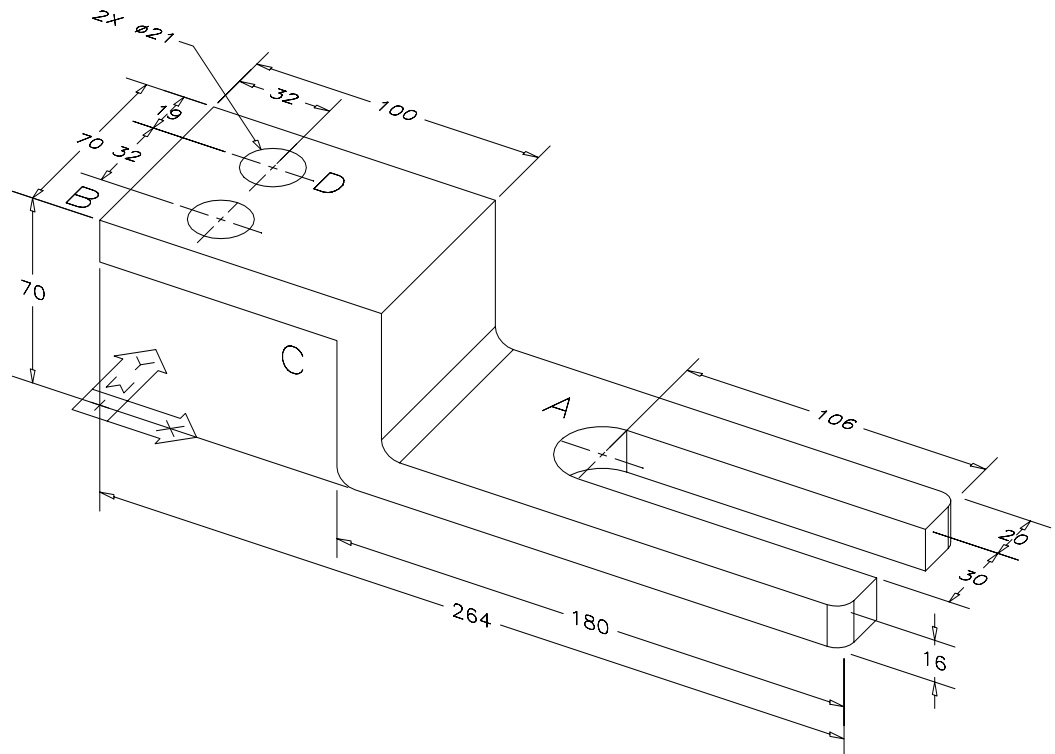## CHAPTER 34 EXERCISES

For the following exercises, refer to Figure ME34-1, the three-dimensional model of the motor plate. Points A and D represent hole centers and points B and C represent two corners of the object.

Figure ME34-1

1. **Absolute Coordinates**

    List the coordinates of points A, B, C, and D in absolute format.

2. **Relative Rectangular Coordinates**

    List the coordinates of points A, B, C, and D in relative rectangular format. Start with point A and move in alphabetical sequence such that point B is relative to point A, C is relative to B, and so on.

3. **Cylindrical Coordinates**

    List the coordinates in relative cylindrical format for the following points.

    A. From point B to point C
    B. From the origin to point B
    C. From the origin to point C

4. *Ucsicon*

    A. What is the command sequence to turn off the display of the UCS icon?

    B. What is the command sequence to turn on the display of the UCS icon and place it at the lower left corner of the screen?

    C. Assuming that the command sequence from question B has been invoked, what is the command sequence to move the display of the UCS icon to the origin?