

CHAPTER 36 EXERCISES

For the following exercise, you will need to access the **PIPES** drawing that comes packaged with AutoCAD Release 14. This drawing is also available for download on the www.mhhe.com/leach website for the AutoCAD 2000 Instructor exercises.

1. UCS X, Y, and Z Rotate

Open the **PIPES** drawing. Generate a *SW Isometric* viewpoint. Set the *Ucsicon* to the *Origin*. Experiment with the *UCS X*, *Y*, and *Z* options to rotate the UCS Icon around each of these axes. Return to the default setting for the UCS by using the *World* option. Do not save changes to the drawing.

2. UCS View

Continue working with the **PIPES** drawing. Generate a *SW Isometric* viewpoint. Use the *View* option of the *UCS* command to rotate the UCS parallel to the screen. This type of view would be particularly helpful if you needed to insert a titleblock or other text into the *Model Tab*. Do not save changes to the drawing.

3. Preset UCS

Continue working with the **PIPES** drawing. Use *Dducs* to generate the *UCS Manager*. With the *Orthographic UCS* tab active, change the UCS to the *Front* view. Use the *Plan* command with the *Current UCS* option to generate the front view of the drawing. Change the *Dducs* again to the *Left* view. Use the *Plan* command with the *Current UCS* option once more to change the direction from which you are viewing the drawing. Do not save changes to the drawing.

4. Save and Restore a UCS

Continue working with the **PIPES** drawing from the previous exercise. Use any method to generate a 3D view of the drawing. Set the *UCS* to *View*. Use the *UCS* command and *Save* the current UCS as **VIEW1**. Generate a different view of the pipes and change the UCS back to *World*. Next, use the *Set Current* option of *Dducs* to display the UCS you created previously named **VIEW1**. Use *Plan* with the *Current UCS* option to restore the view to the original 3D view you created. Exit, but do not save changes to the drawing.