

Exercise 18-8

1. Continue from Exercise 18-7 or start AutoCAD.
2. Start a new drawing from scratch or use a decimal-unit template of your choice. Save the drawing as EX18-8.
3. Set up the appropriate layers, including a layer for dimensions.
4. Draw simplified representations of an external and internal 3/4-10UNC-2 screw thread and an M14X2 screw thread. Refer to the following table for size specifications:

| | | Major Diameter | Minor Diameter |
|--------------------|----------|-----------------------|-----------------------|
| 3/4-10UNC-2 | External | .7482 MAX/.7353 MIN | .6291 |
| | Internal | .7500 | .663 MAX/.642 MIN |
| M14X2 | External | 13.962 MAX/13.682 MIN | 11.797 MAX/11.271 MIN |
| | Internal | 14.501 MAX/14.000 MIN | 12.210 MAX/11.835 MIN |

5. Use the **MLEADER** command to label each view. Label the external Unified screw thread as 3/4-10UNC-2A, the internal Unified screw thread as 3/4-10UNC-2B, and the metric screw thread as M14X2.
6. Your drawing should look similar to Figure 18-31.
7. Resave and close the file.
8. Keep AutoCAD open for the next exercise, or exit AutoCAD if necessary.