

Exercise 22-9

1. Continue from Exercise 22-8 or start AutoCAD.
2. Start a new drawing from scratch or use a decimal-unit template of your choice. Save the drawing as EX22-9.
3. Turn on the **Infer Constraints** tool.
4. Use the **RECTANGLE** command to create a $1.500 \times .750$ rectangle, as shown in Figure 22-21A.
5. Add a horizontal constraint to the lower side and a fix constraint to the lower-left corner.
6. Use the **DCLINEAR** or **DIMCONSTRAINT** command to add the custom-named dimensional constraints shown in Figure 22-21A.
7. Double-click on the LENGTH=1.500 value and change the dimension to 2.000. The height should automatically update according to the expression.
8. Draw a rotated rectangle of your own design and experiment with using the **Horizontal** and **Vertical** options of the **DCLINEAR** or **DIMCONSTRAINT** commands to constrain the rectangle.
9. Resave and close the file.
10. Keep AutoCAD open for the next exercise, or exit AutoCAD if necessary.