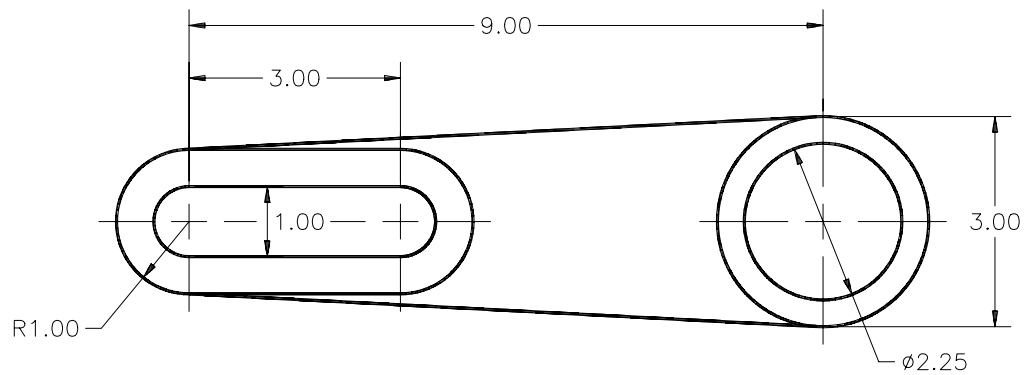## CHAPTER 9 EXERCISES

1. **Stretch Command**

   Open drawing **ME8EX3** from Chapter 8. Use the *Stretch* command to increase the length of the part as shown in Figure ME9-1. *SaveAs* **CH9EX1-M.**

   Figure ME9-1

2. **Spacer Plate**

   Complete the drawing of the Spacer Plate in Figure ME9-2A. Use the *Scale* command to increase the size of the part to double the drawn size as shown in Figure ME9-2B. Use 0,0 for the "base point." *SaveAs* **CH9EX2-M.**

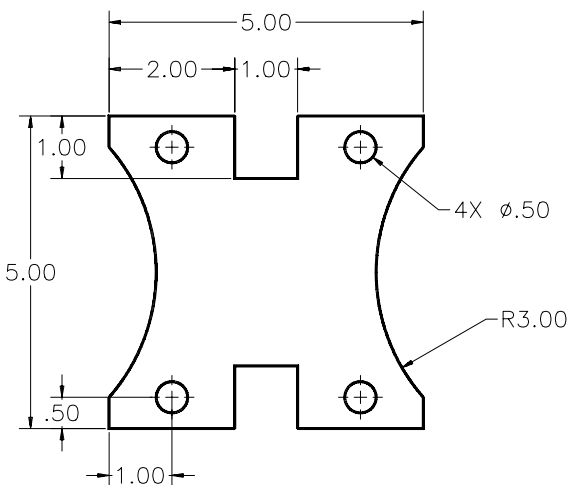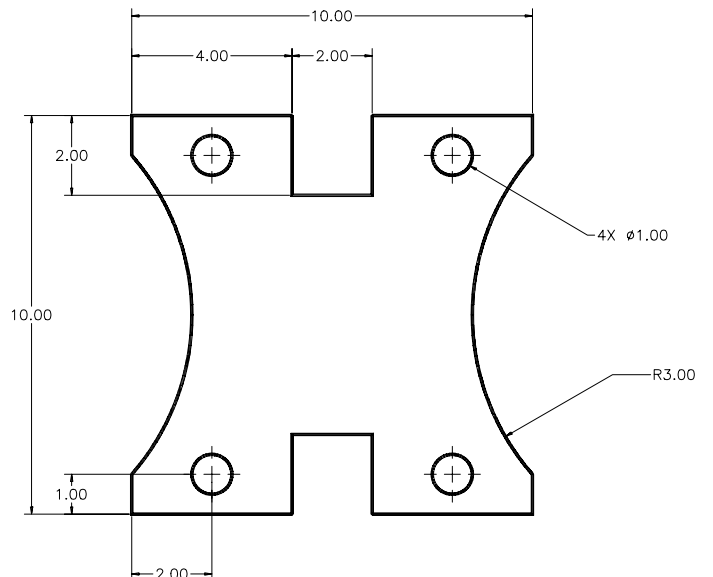   **Figure ME9-2A**   **Figure ME9-2B**

3. Pump Gasket

Complete the drawing of the Pump Gasket in Figure ME9-3A. When complete, use the *Rotate* command to revolve the part 90 degrees as shown in Figure ME9-3B. *SaveAs* **CH9EX3-M.**
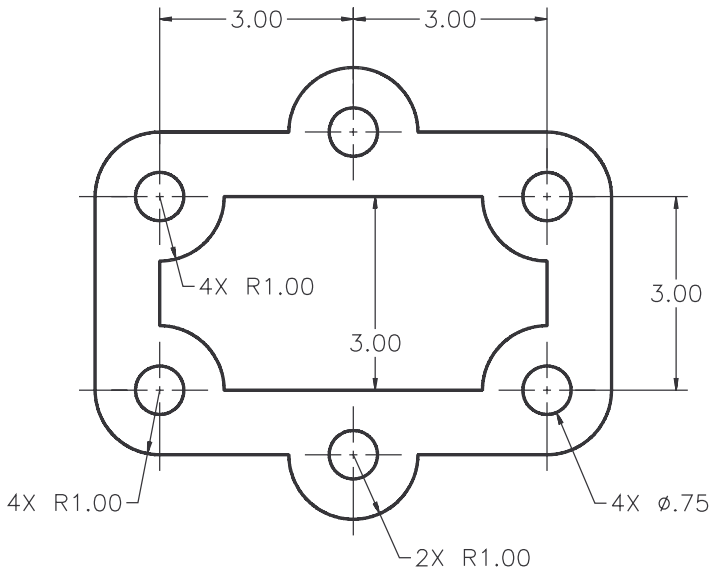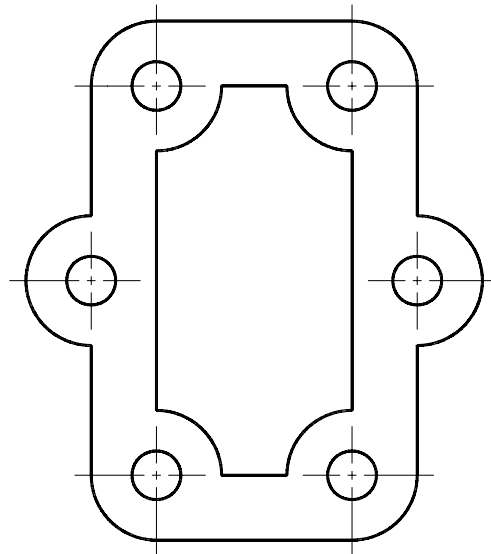
Figure ME9-3A ───────────────────────────   **Figure ME9-3B** ───────────

4. Tension Rod Eyelet

Complete the drawing of the tension rod eyelet in Figure ME9-4A. *SaveAs* **CH9EX4-M.**

Use the *Stretch* command to decrease the length as shown in Figure ME9-4B. (HINT: Draw the *Stretch* window to cross the central section of the rod.) Next, use *Scale* to decrease the inner shape of the head of the part as shown. (HINT: Select all four objects comprising the inner shape. Use a "base point" midway between points A and B as indicated in Figure ME9-4A.) *SaveAs* **CH9EX5-M.**
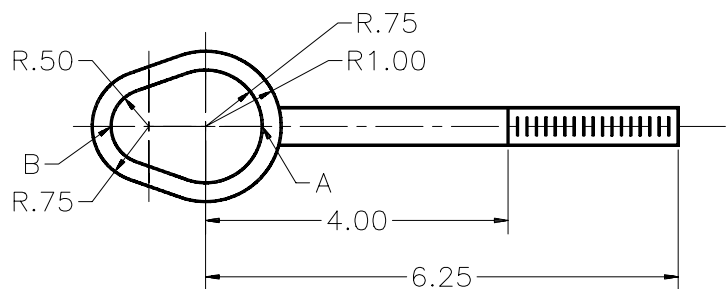
Figure ME9-4A ───────────────────────────

Figure ME9-4B ───────────────────────