CHAPTER 20 EXERCISES

1. Screws

Complete the drawing of the screw shown in Figure ME20-1. Group the items together and Copy the Group two times so there is 1.5” spacing between the screw centers as shown in Figure ME20-2. Add the Lines to represent an assembly. Save the drawing as CH20EX1-M.

2. Ventilation Panel (Part 1)

Open the ventilation panel created in Chapter 10 Exercise 3 named VENTPNL. Create a new Layer named Holes. Use Object Selection Filters to filter out all the objects except for the Circles. Use Properties to change the layer of the filtered objects to Holes. List one of the holes to ensure its layer has changed.

3. Ventilation Panel (Part 2)

Using the same drawing as the previous exercise, Group all of the rectangular vent openings and Copy the Group as shown in Figure ME20-3. Use Qselect and Properties to find and move the vent openings to a new Layer named Vents. SaveAs CH20EX3-M.
4. Gear Train

Open the SGEAR drawing created in Chapter 10 Exercise 2. Use Group to assign all objects to one group named GEAR. Copy the Group to complete the gear train shown in Figure ME20-4. SaveAs CH20EX4-M.