

## Exercise 12-8

1. Continue from Exercise 12-7 or start AutoCAD.
2. Start a new drawing from scratch or use an inch-unit template of your choice.  
Save the drawing as EX12-8.
3. Draw a  $\varnothing 1''$  circle.
4. Create a  $360^\circ$  polar array of five circles.
5. Draw another  $\varnothing 1''$  circle.
6. Create a polar array of the new circle. Create an array of six circles through an angle of  $360^\circ$ .
7. Draw a  $\varnothing 5''$  circle.
8. Construct a circumscribed hexagon, centered at the upper quadrant object snap of the  $\varnothing 5''$  circle,  $.75''$  across the flats.
9. Array the hexagon around the center of the  $\varnothing 5''$  circle. Create seven total hexagons  $40^\circ$  apart.
10. Resave and close the file.
11. Continue practicing using the **ARRAYRECT** and **ARRAYPOLAR** commands by completing act12-08.dwg available on the companion website.
12. Keep AutoCAD open for the next exercise, or exit AutoCAD if necessary.