

**Varying  $r$ .** Each image is a 9-gon ( $n = 9$ ) with a different value of radius reduction factor  $r$  from 5 to 10. Use the same number of vertex jumps  $J$  for each image and draw the resulting figures with pencil and ruler. You may choose from 8 different values of  $J$  (from 1 to 8) and you will get different images but  $J = 1$  and 8, 2 and 7, 3 and 6 and 4 and 5 are mirrors of one another. Check your work with the Excel file 10.

