1.) Exercise 15 b, Chapter 3, on pages 105-6 of the text.

2.) Exercise 15 c, Chapter 3, on pages 105-6 of the text.

3.) Exercise 16, Chapter 3, on page 106 of the text.

4.) Exercise 17 a, Chapter 3, on page 106 of the text.

5.) Decide how many zeros there are for the functions below in the given regions.
   a) \( f(z) = z^8 + 5z^7 - 20 \) in \( D_6(0) \).
   b) \( f(z) = z^3 - 3z^2 + 1 \) in \( D_2(0) \).