Homework #2

7.3 #4, 5, 23, 43

(Suggestion for #43: assume that the larger circle is centered at $(0,0)$ in the xy-plane, so that it's described by the equation $x^2 + y^2 = R^2$. Now determine the equation of the smaller circle, and then evaluate the appropriate integral to find the area of the lune.)

7.4 #8, 19, 25, 47, 54