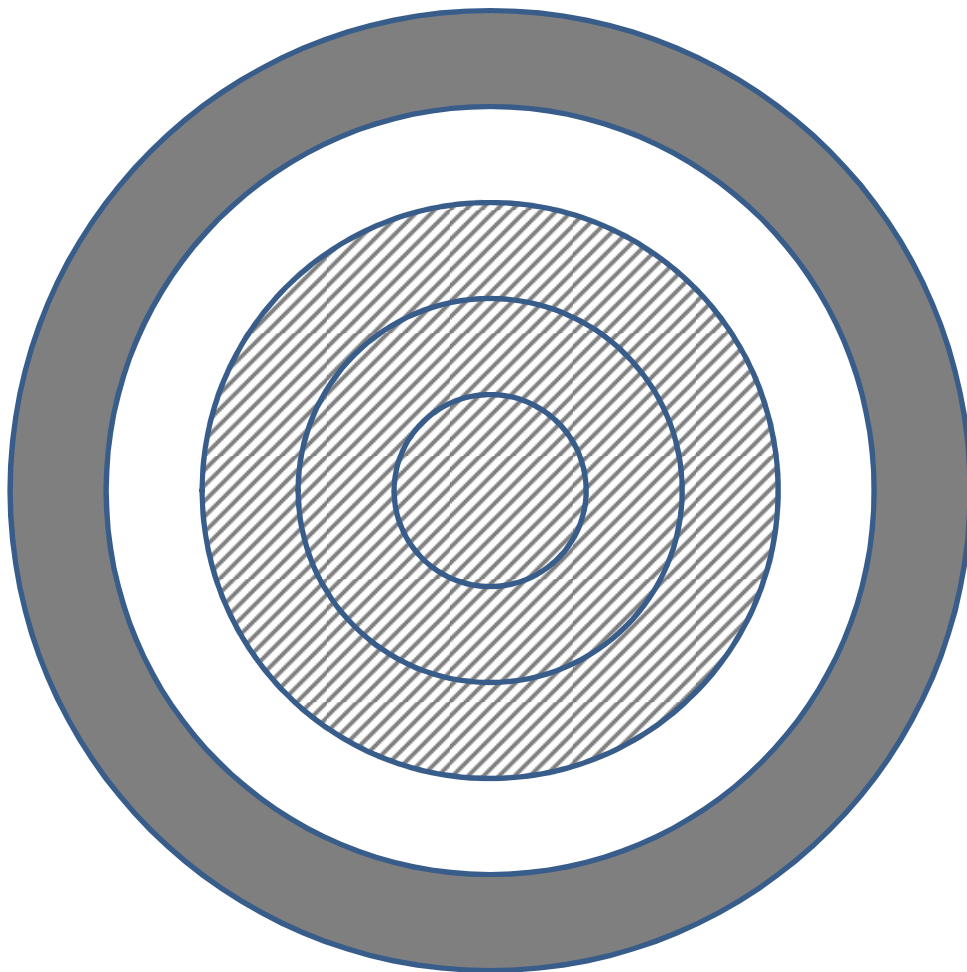1.  The radius of the inner circle is one inch.  Each successive circle has a radius increase of one inch, so the outside circle has a radius of five inches (note that they are not drawn in actual size).

Which has a greater area – the shaded region or the striped region?



2.  Let's determine your hat size!  Have a friend measure around your head at approximately the place a hat would rest.  Measure to the nearest one-eighth of an inch.  Divide this by the fraction form of pi, round up to the nearest eighth, and you have your hat size!