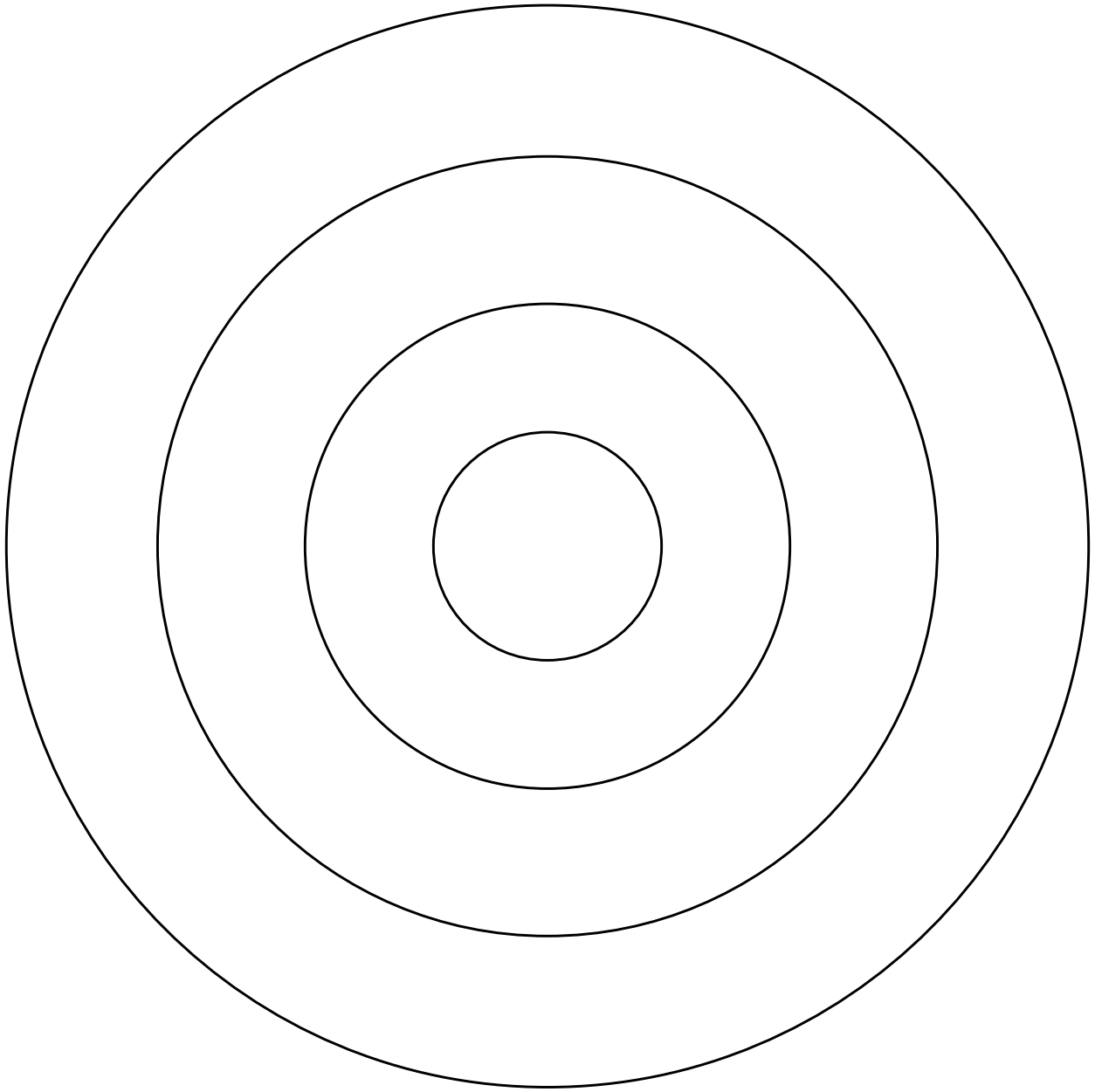


Slices of Pie

1. For each slice and sub-slice, measure the length of the edge of the slice and the length of the crust.
2. Calculate the ratio of the crust length to the side length (i.e. crust length divided by side length?) for each slice.
3. What is the physical meaning of this number?
4. See Cecily or me and we'll ask you some questions and then give you the next sheet.



Slices of Pi

1. You now have discovered a new way of measuring angles. The usual name for this new angle measure is *radians*. But you can call it something else if you want. Come up with a formula that relates radians to degrees.
2. How many radians are in ninety degrees?
3. How many degrees are there in 4 radians?