

problem corner



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Given two concentric circles whose outer circle area is n times the size of the inner circle area:

1. How much is the annular area between the circles larger than the inner circle area? Give one answer in terms of n and the other in terms of the inner circle radius r and the outer circle of radius r' .
2. For what value of n is the annular area 3 times the inner area?
3. In terms of n , how much larger is the outer circle circumference than the inner circle circumference?