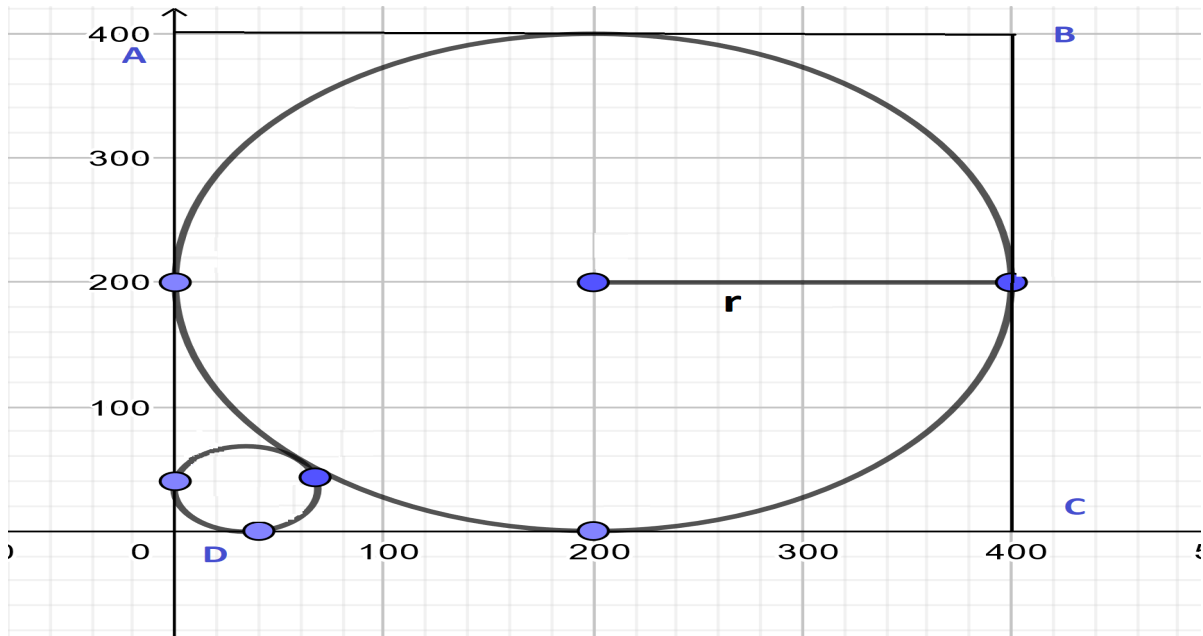


Corner circle surface

In this kata you shall find the surface of the small corner circle given the surface of all the square where the two corner circles are inside of it.

The radius of the first circle is greater or equal to 1 ($r \geq 1$)

For more clarification you shall now that all the segments of the square create a tangent on the big cercle.



IMPORTANT: The π (Pi) value that we're going to use will be equal to **3.14159**
The surface of the circle will be rounded to 3 decimal.

Tests:

```
def surface_corner_cercle():  
  
    test.assert_equals(surface_corner_cercle(4),0.092)  
    test.assert_equals(surface_corner_cercle(8),0.185)  
    test.assert_equals(surface_corner_cercle(100),2.312)
```