# Problem of the Week Problem E Only One 

A circle with centre $O$ and radius 4 has points $A$ and $B$ on its circumference such that $\angle A O B=90^{\circ}$.
Another circle with diameter $A B$ is drawn such that $O$ lies on its circumference.
Find the area of the shaded region, which is the area inside one circle or the other circle, but not both.


