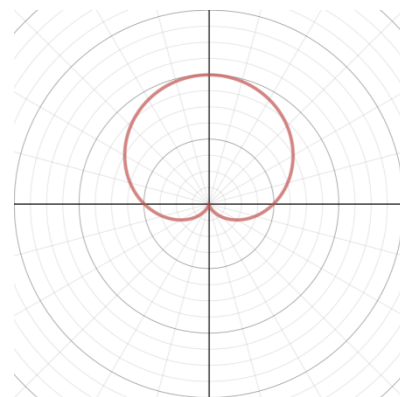


Name : _____

1. Find the area enclosed by the cardioid $r = 4 + 4\sin\theta$.



2. Find the area of the region inside the rose $r = 2\cos 2\theta$ and outside the circle $r = 1$.

