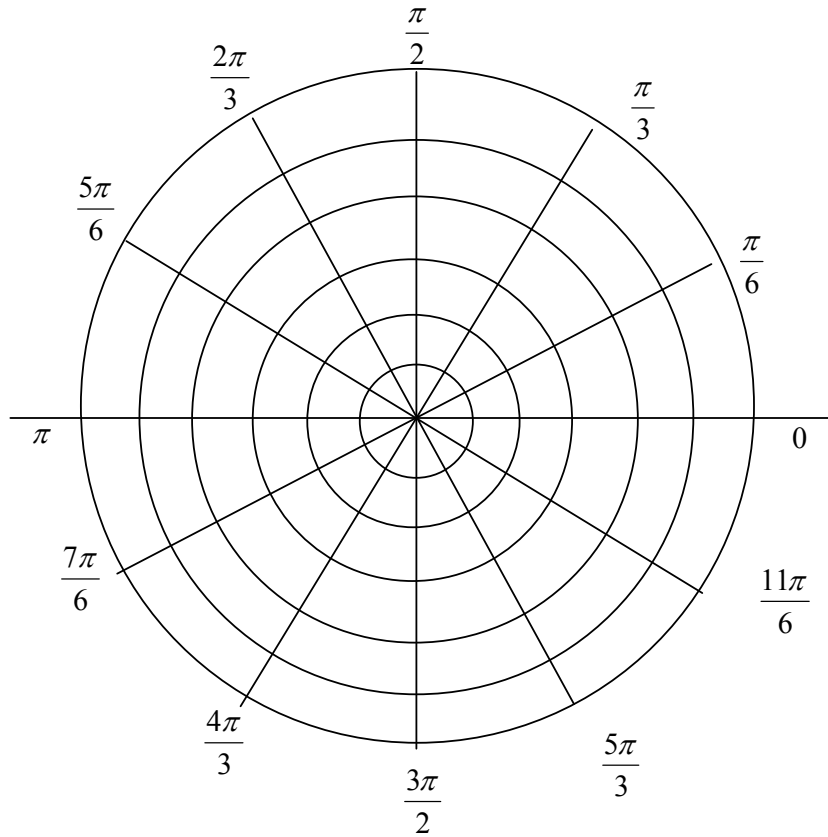


1. Find the area of the region that lies inside  $r = 2 \sin \theta$  and outside  $r = 1$ .  
(Graph the region first.)



2. Find the area that is inside the loop of  $r = 1 - 2 \cos \theta$ .

