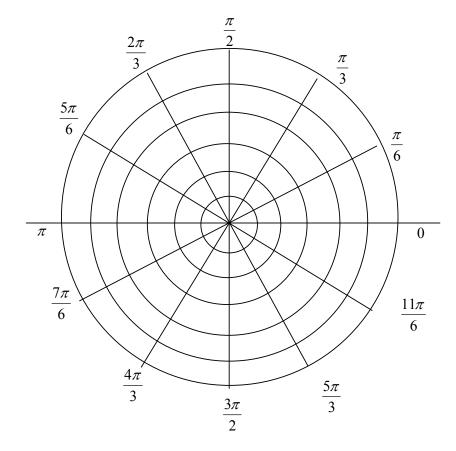
K.A. Pericak-Spector

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



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

