



(b) From rectangular to polar.

i.  $2xy = 5$

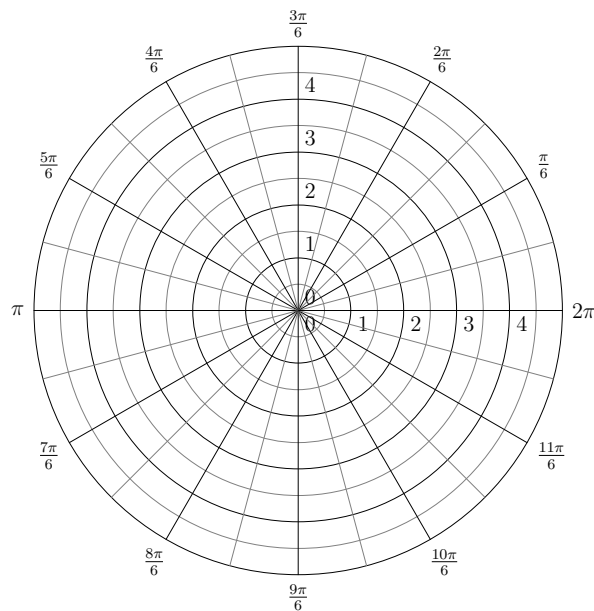
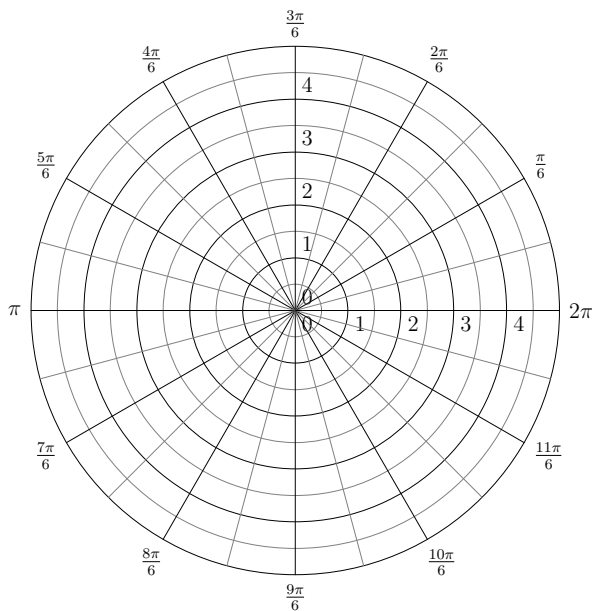
ii.  $(x - 2)^2 + (y - 3)^2 = 16$

iii.  $y = x + 3$

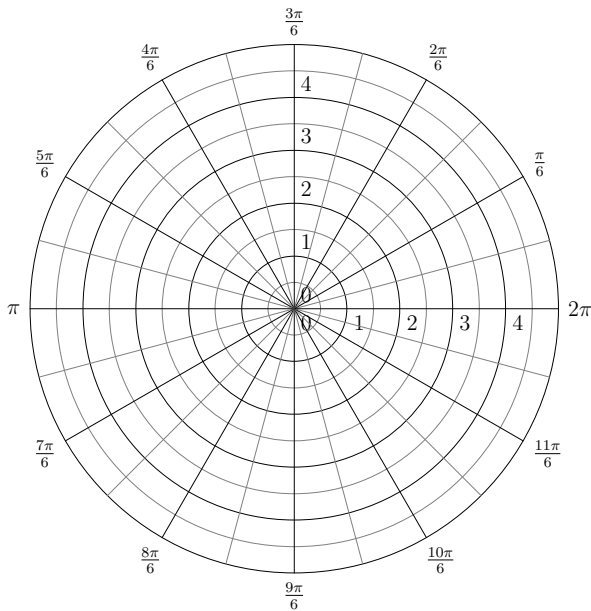
5. Graph the following polar equations on the graphs given. Be sure to use symmetries to help.

(a)  $r = 4$  for  $0 \leq \theta \leq 7\pi/6$

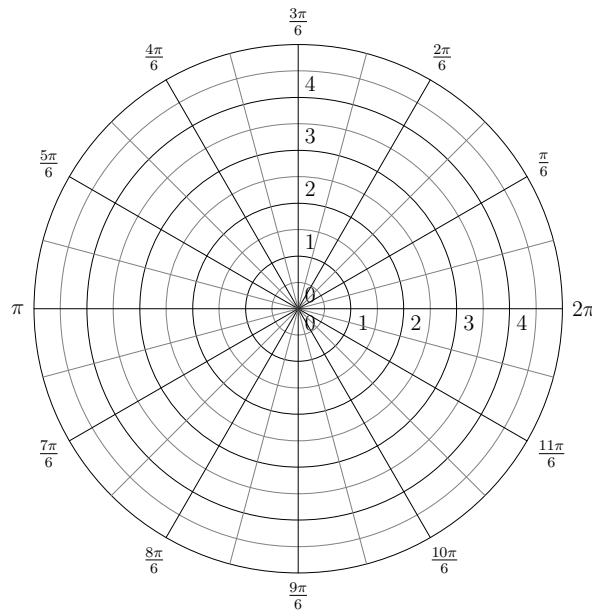
(b)  $r = 4 \sin \theta$



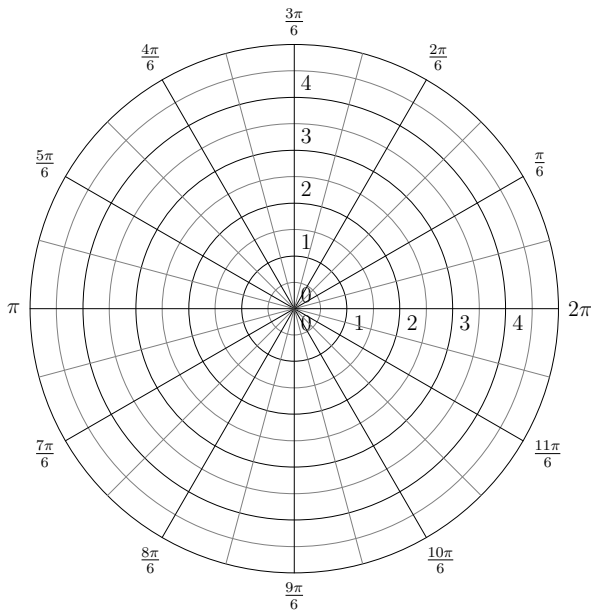
(c)  $\theta = 5\pi/3$



(d)  $r = 1 + 2 \cos \theta$



(e)  $r = 2 - 2 \cos \theta$



(f)  $r = 3 \cos(2\theta)$

