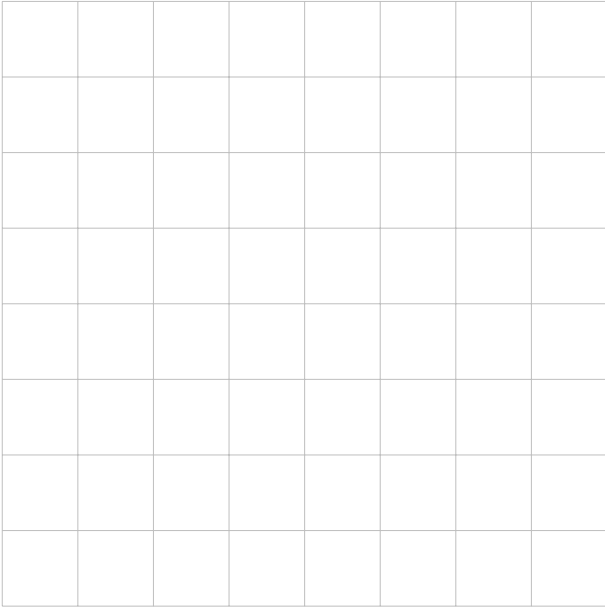
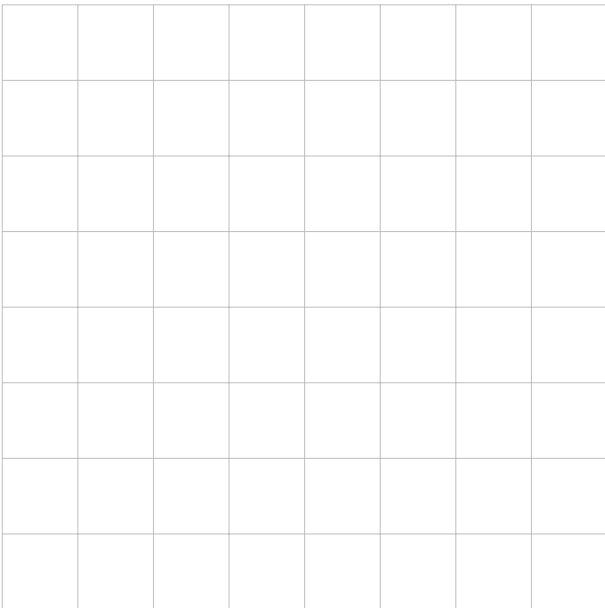


POLAR CURVES

1. Sketch a graph of the polar curve: $r = 1 + 2 \cos \theta$. Give polar and rectangular coordinates for all axis intercepts.



2. Sketch a graph of the polar curve: $r = \sin \theta$. Give polar and rectangular coordinates for all axis intercepts.



3. Sketch a graph of the polar curve: $r = \sin(2\theta)$. Give polar and rectangular coordinates for all axis intercepts.



4. Sketch a graph of the polar curve: $r = \sin(3\theta)$. Give polar and rectangular coordinates for all axis intercepts.

