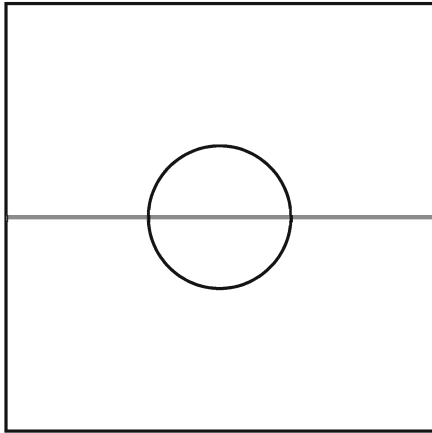
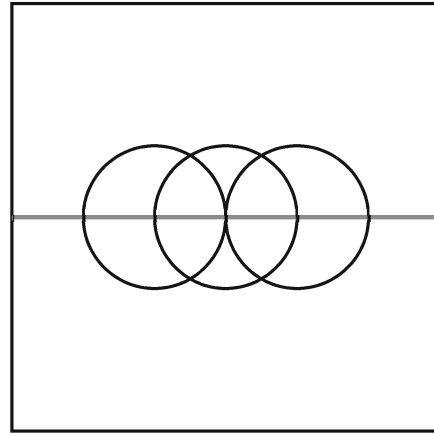


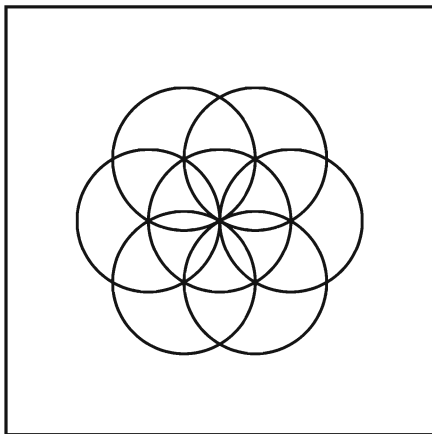
Construction of an Islamic Pattern



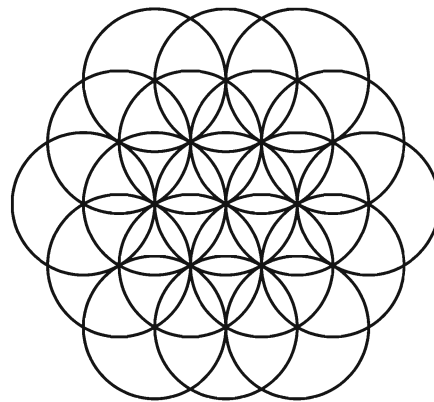
Make a circle with compass placed at a point on a line.



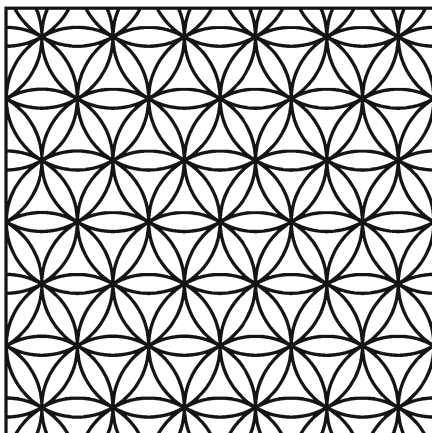
Make two circles with compass placed at points of intersection.



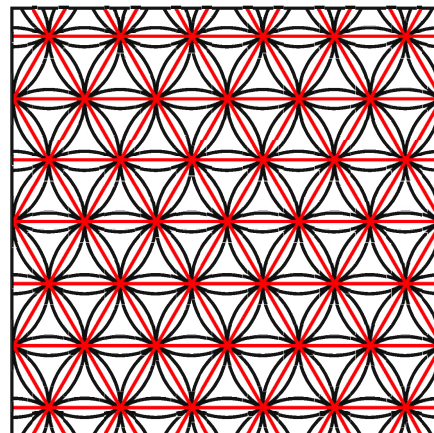
Make four circles with compass placed at new points of intersection.



Continue outward in all directions.
[19 symmetrically placed circles]

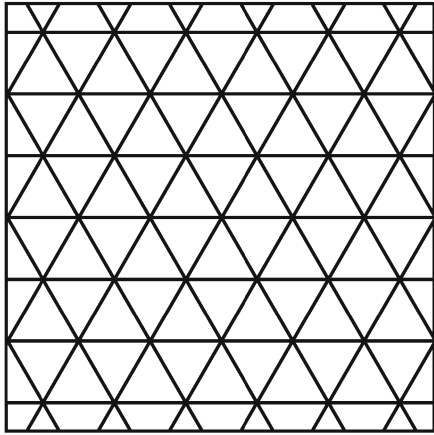


The compass produces a network of circles.

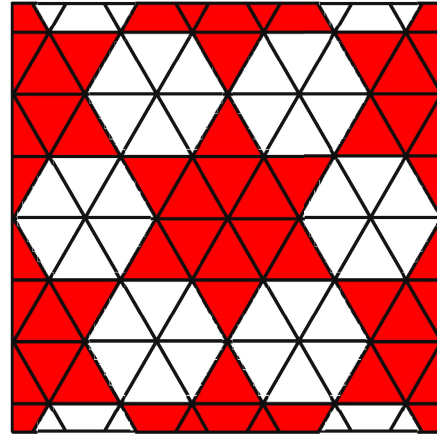


Connect centers of circles.

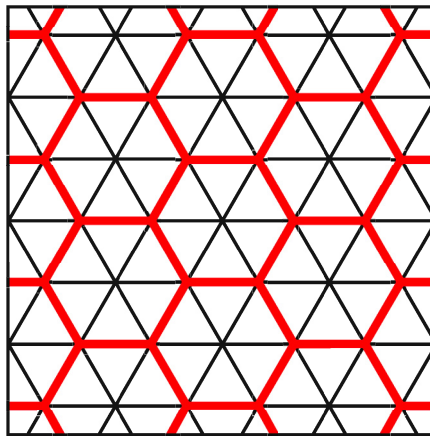
Construction of an Islamic Pattern



A grid of equilateral triangles is the basis for many Islamic designs.



Artists designed patterns on the grid from center outward with no gaps or overlaps.



A grid of hexagons is embedded in the grid of equilateral triangles.