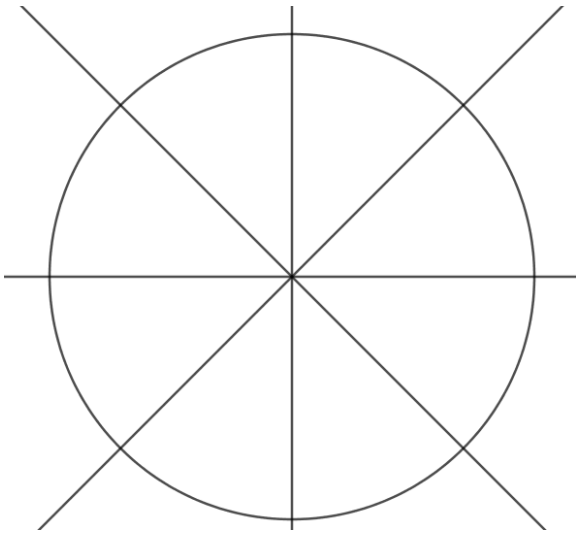
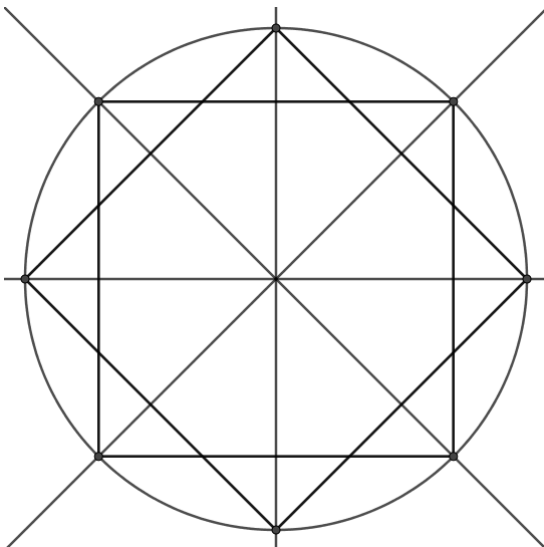




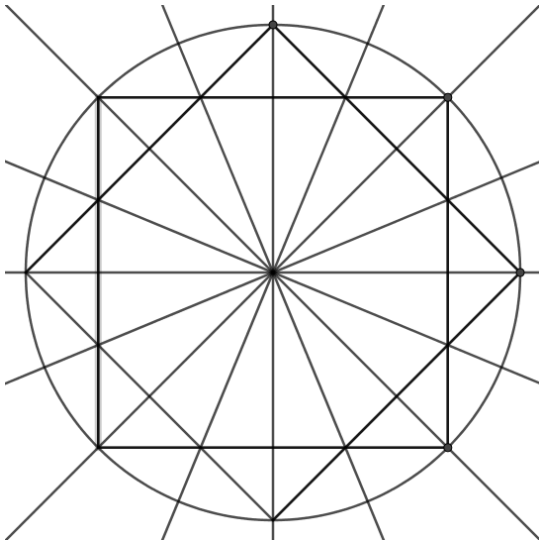
## PATTERN CONSTRUCTION



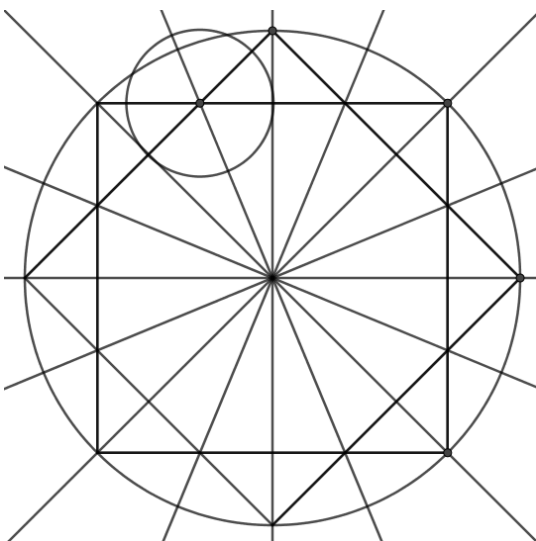
1) Start by dividing the circle into 8 equal parts



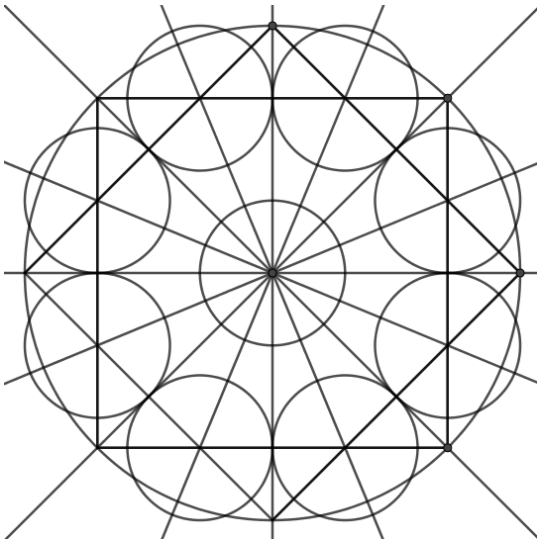
2) Draw the static and dynamic square inside the circle



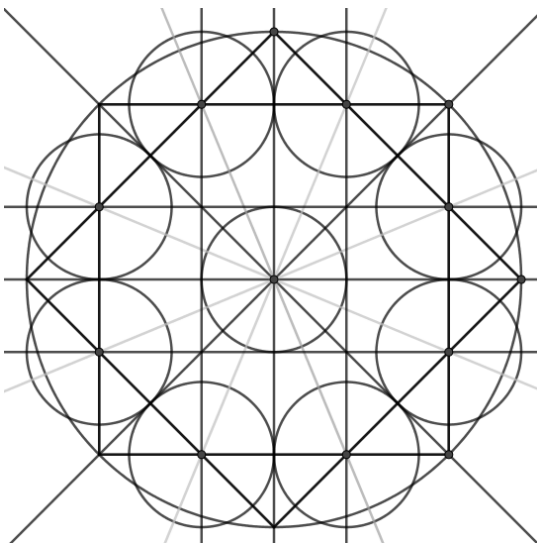
3) Use the intersections of the 2 squares to divide the circle into 16 equal parts



4) Point the compass on one of the intersections of the 2 squares and draw a circle tangent to the vertical and diagonal line



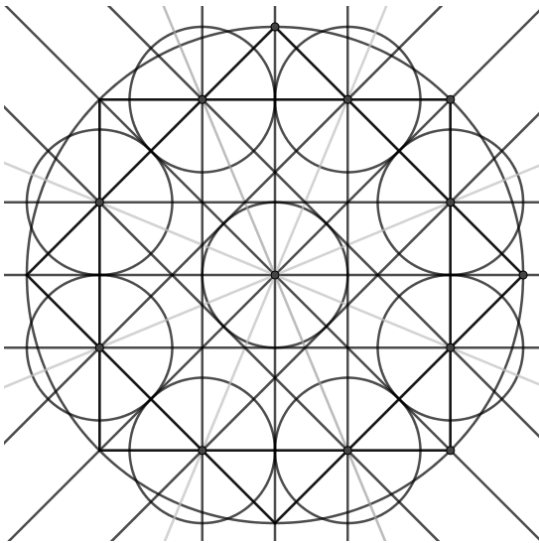
5) Do the same on the other intersections and the centre



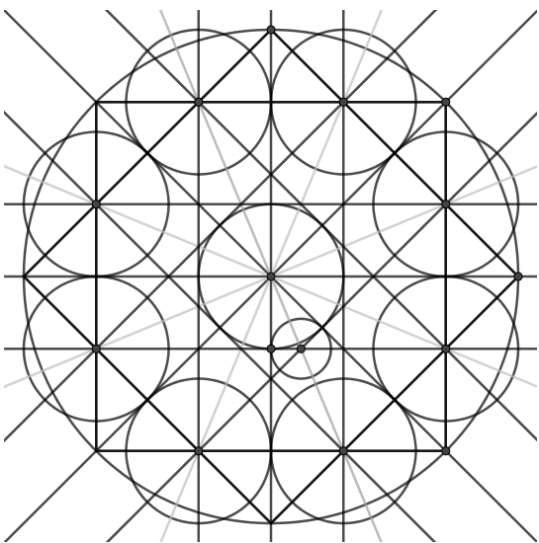
6) draw a pair of vertical lines and a pair of horizontal lines connecting the centres of the circles



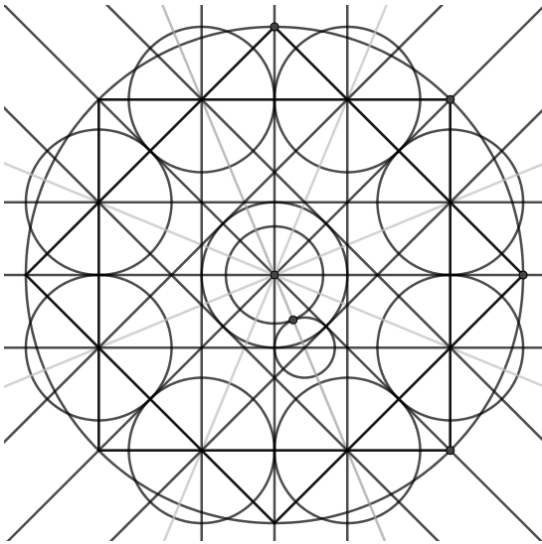
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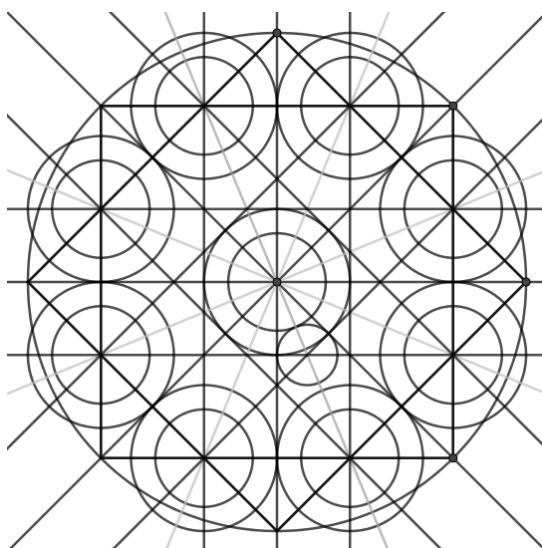
7) do the same diagonally



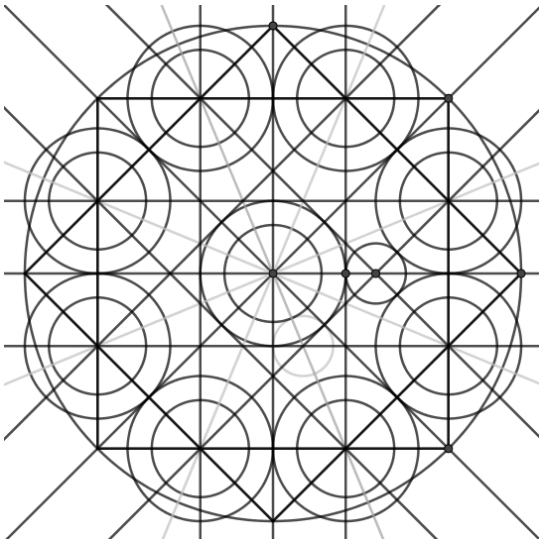
8) point the compass on the intersection of 2 lines and draw a circle tangent to the vertical and diagonal line



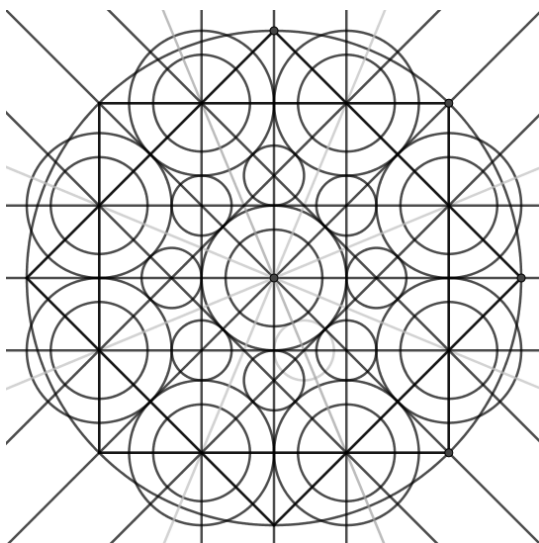
9) point the compass on the centre of the main circle and draw a circle tangent to the circle drawn at point 8)



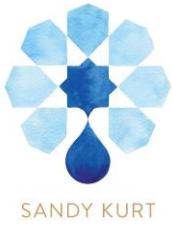
10) with the same radius draw 8 circles pointing the compass the intersections of the 2 squares



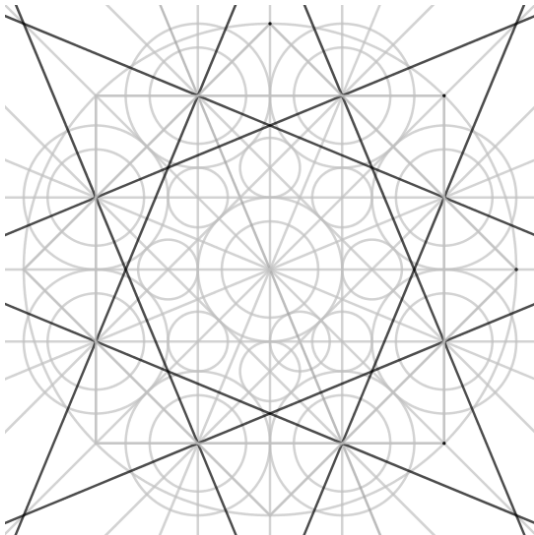
11) point the compass on the intersection and draw another circle tangent to the circles drawn at point 5)



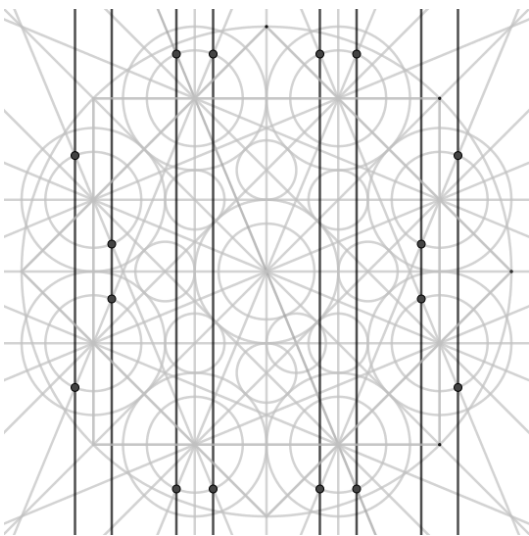
12) using the same radius draw another 7 circles



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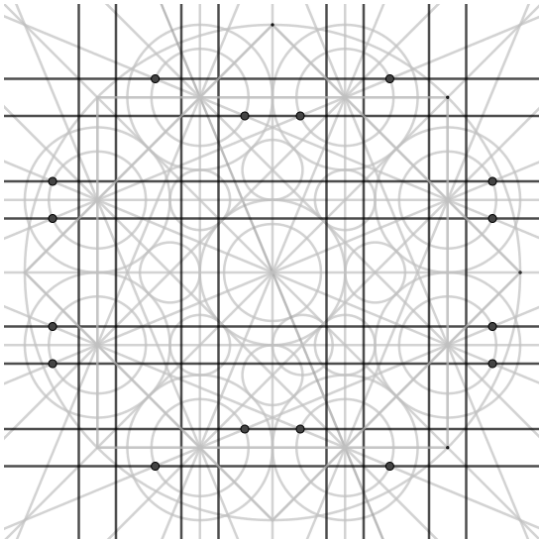
13) draw 4 pairs of lines connecting the centres of the circles.



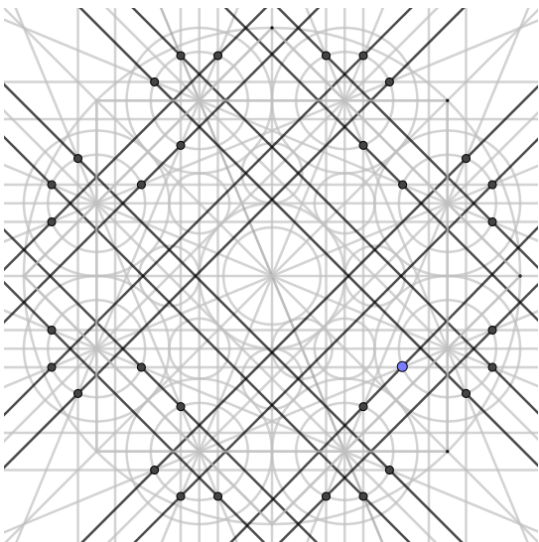
14) draw 4 pairs of parallel lines passing through the intersections of the circles drawn at point 10) and the lines drawn at point 13)



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15) do the same horizontally...

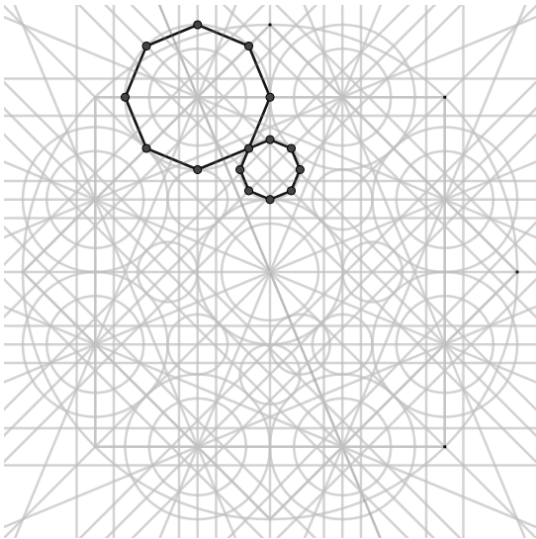


16) ... and diagonally

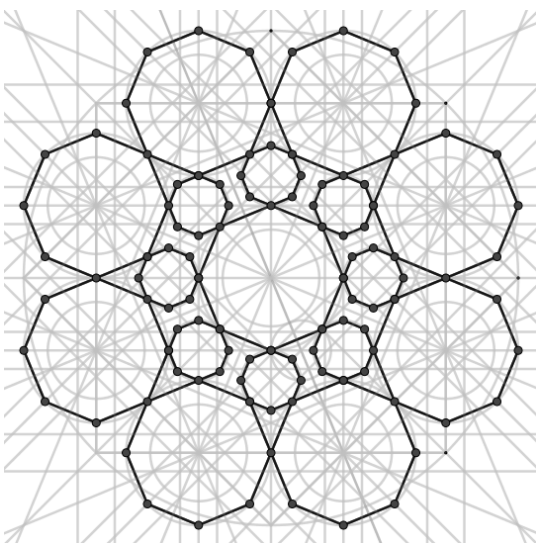




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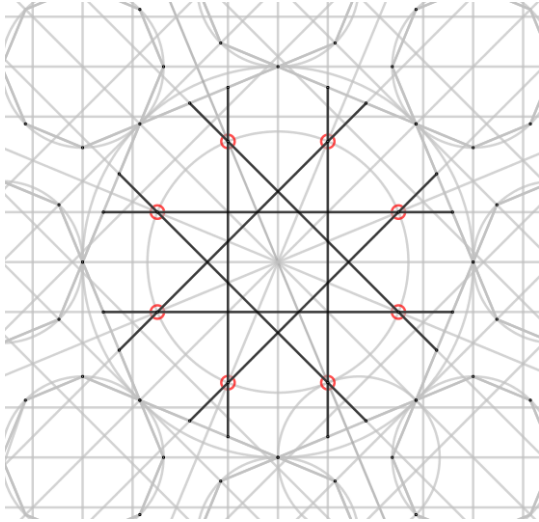
17) Draw an octagon inside the circles drawn at points 5) and 12)



18) Now the pattern is completed. It's time to highlight the final design



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19) CLOSE UP: in the centre draw a rosette by drawing 4 pairs of parallel lines connecting the intersections of the circle drawn at point 9) and the radial lines that divide the circle into 16



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