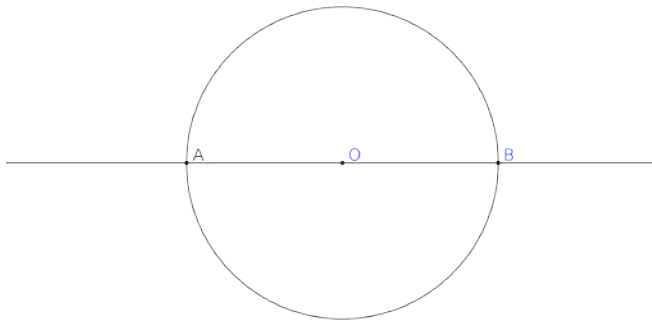
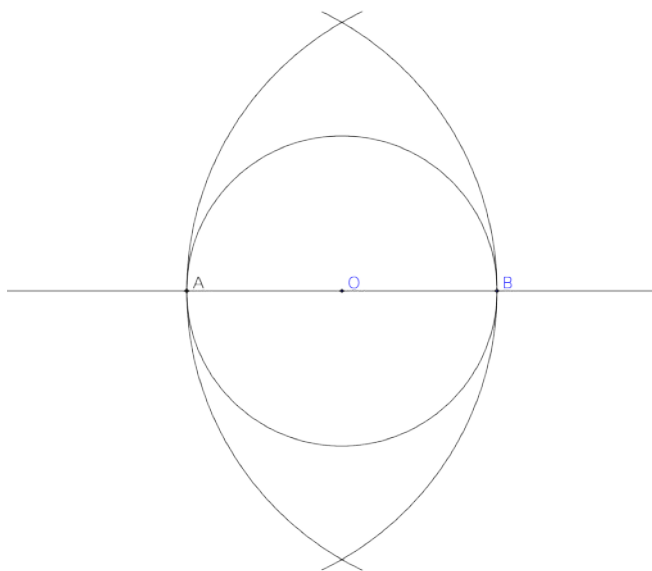




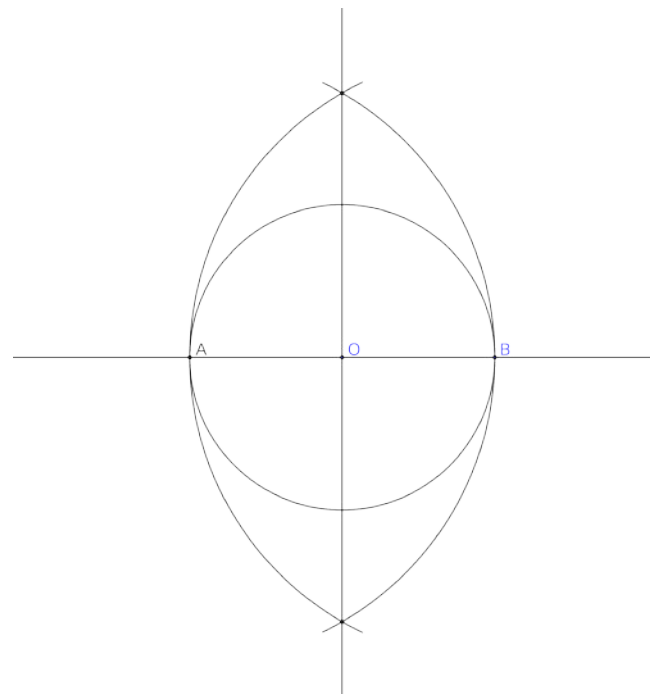
12 FOLD MOORISH PATTERN



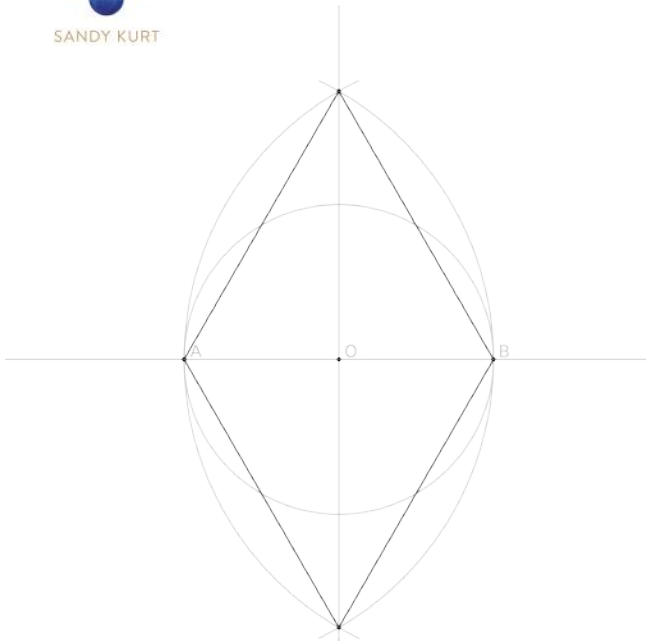
1. Start with a circle and the horizontal line



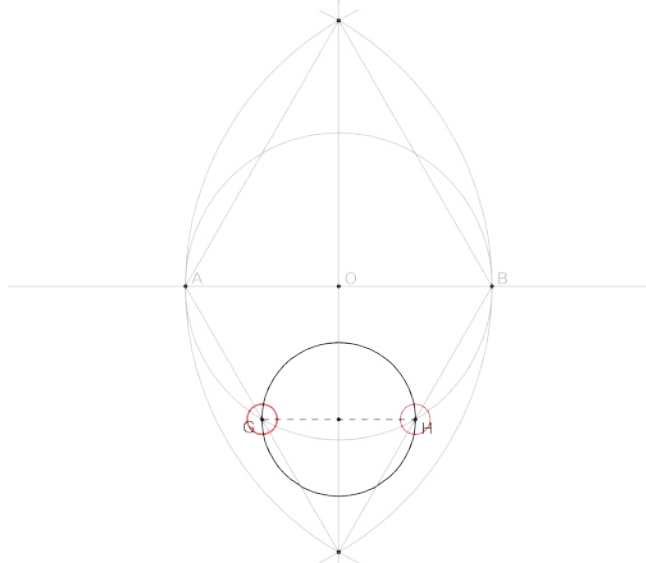
2. Point the compass on A open it to B and draw a semi-circle.
Point the compass on B open it to A and draw another semi-circle



3. Draw the vertical line passing through the intersections of the two semi-circles and the centre

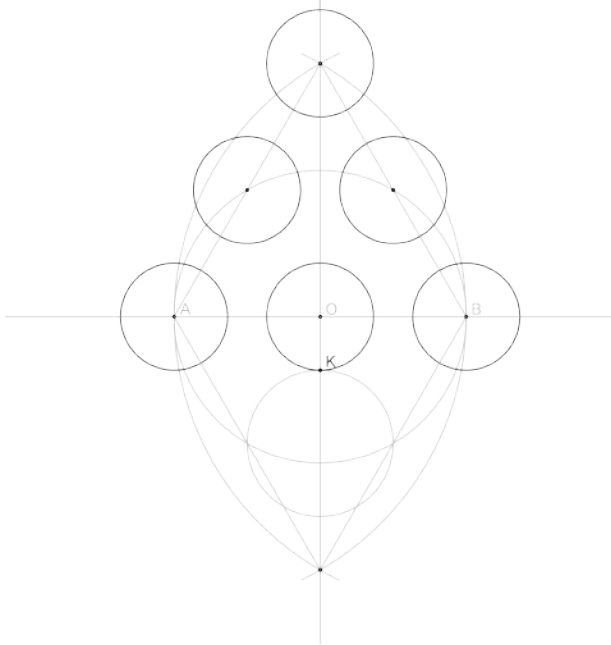


4. Draw a lozenge by connecting A and B to the intersections of the two semi-circles



5. Where the lozenge meets the circle mark the points G and H. Connect those two points with a line.

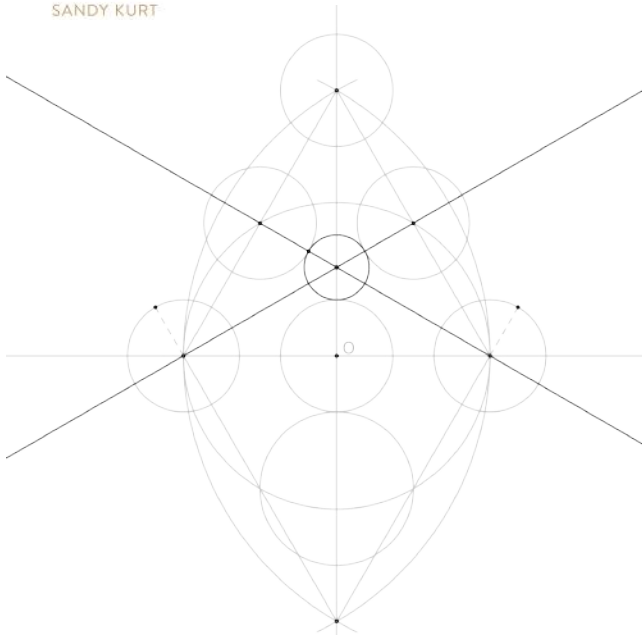
Point the compass where that line meets the vertical line and draw a circle passing through G and H.



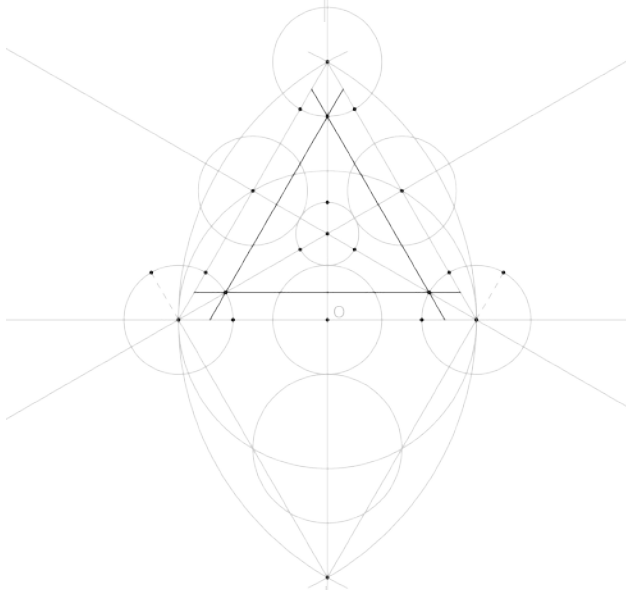
6. The circle drawn at point 5 meets the vertical line on point K.

Point the compass on the centre, open it to K and draw a circle.

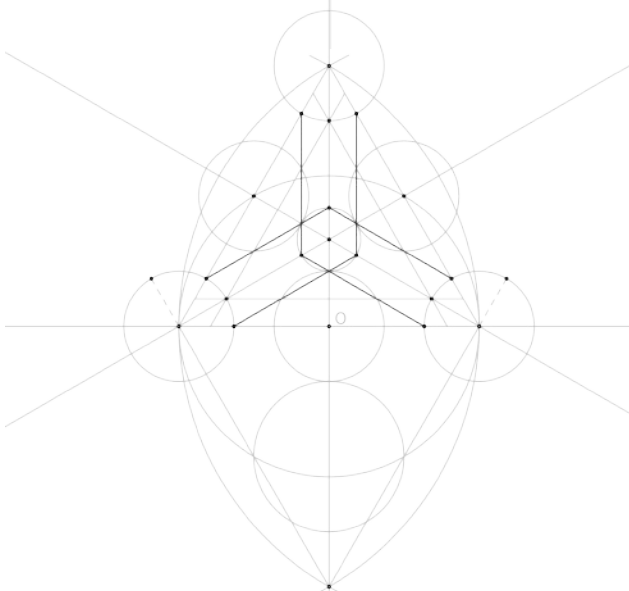
Use the same radius and draw other 5 circle as shown



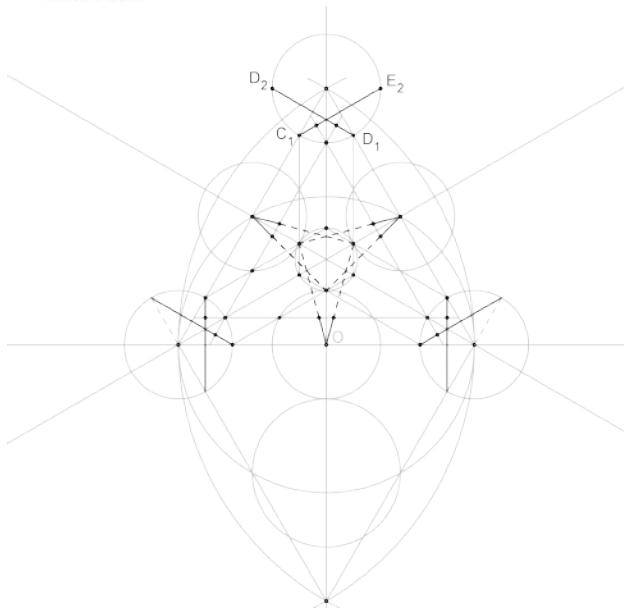
7. Draw 2 lines connecting the centre of the circles as shown.
Where those two lines meet the vertical line draw a smaller circle tangent to the other circles.



8. Draw 3 lines connecting the points as shown here



9. Draw the petals of your rosettes as shown.



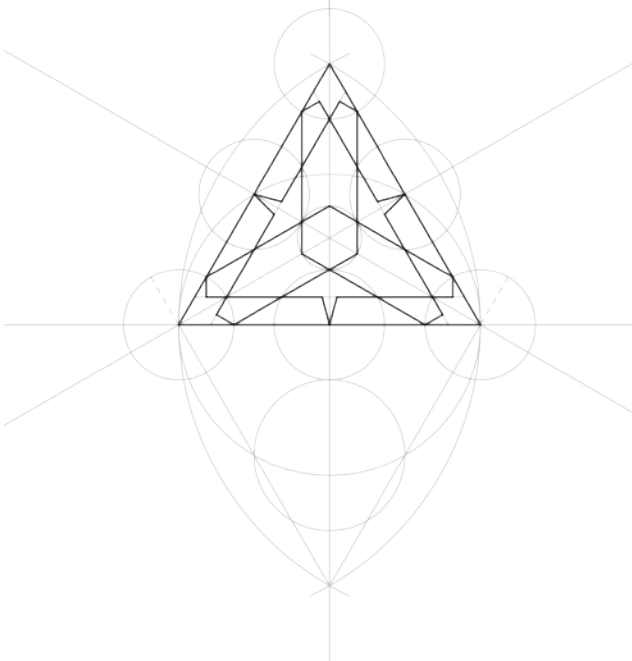
10. Connect the points as shown in order to draw the missing parts.

Point D2 and E2 can be found in two ways:

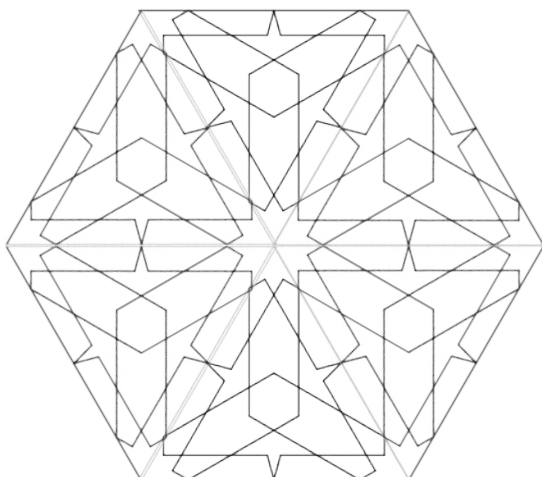
a. find the horizontal line of the top circle.

They are on the intersection between the horizontal line and the circle

b. Point the compass on C1, open it to D1, swing the compass and draw point D2. Do the same by pointing the compass on D1 to find point E2



11. Highlight the final pattern



12. Copy the pattern six times to create a beautiful 12 fold pattern