1. START WITH AN 8FOLD DIVISION OF THE CIRCLE
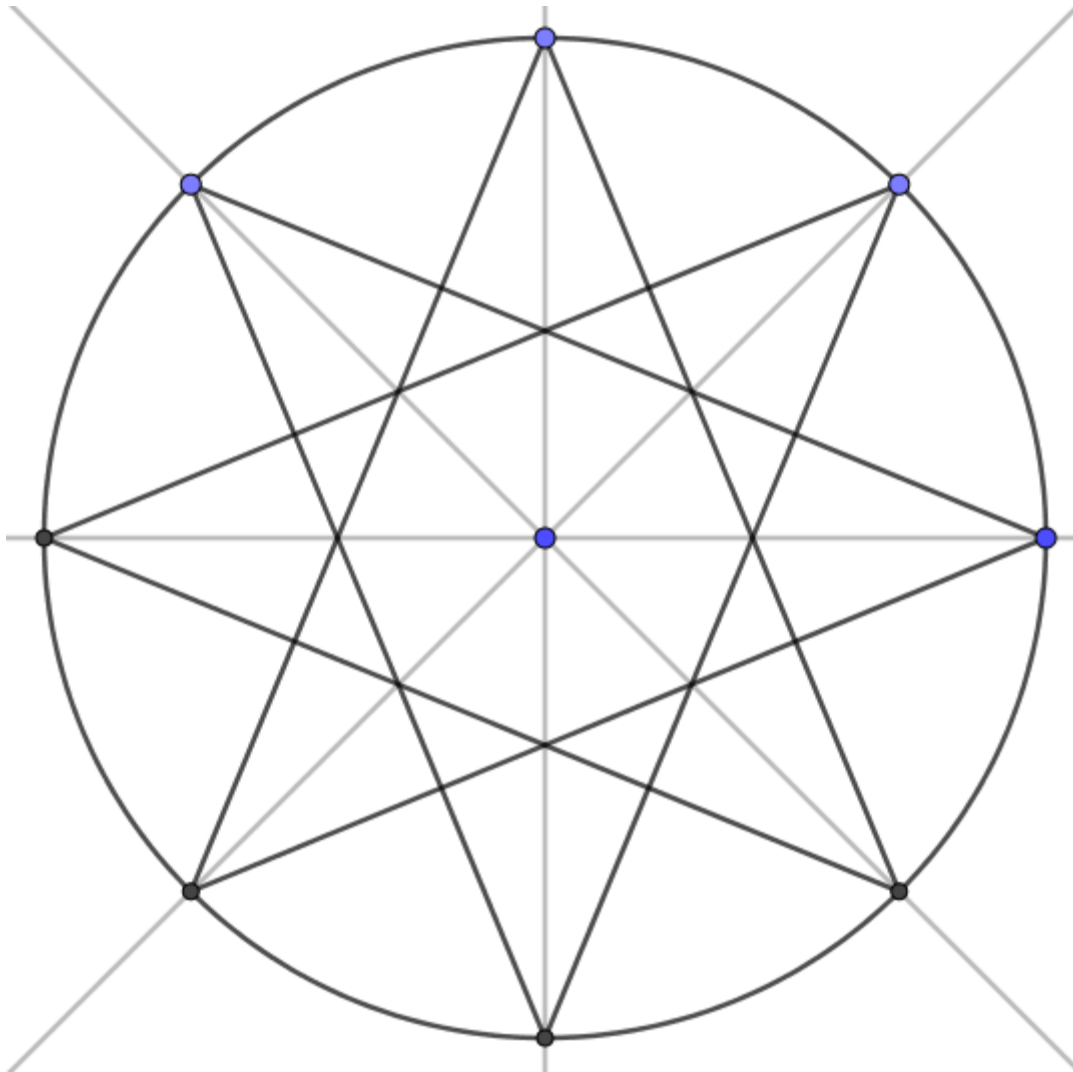
2. DRAW 8 LINES CONNECTING THE POINTS ON THE CIRCLE AS SHOWN HERE

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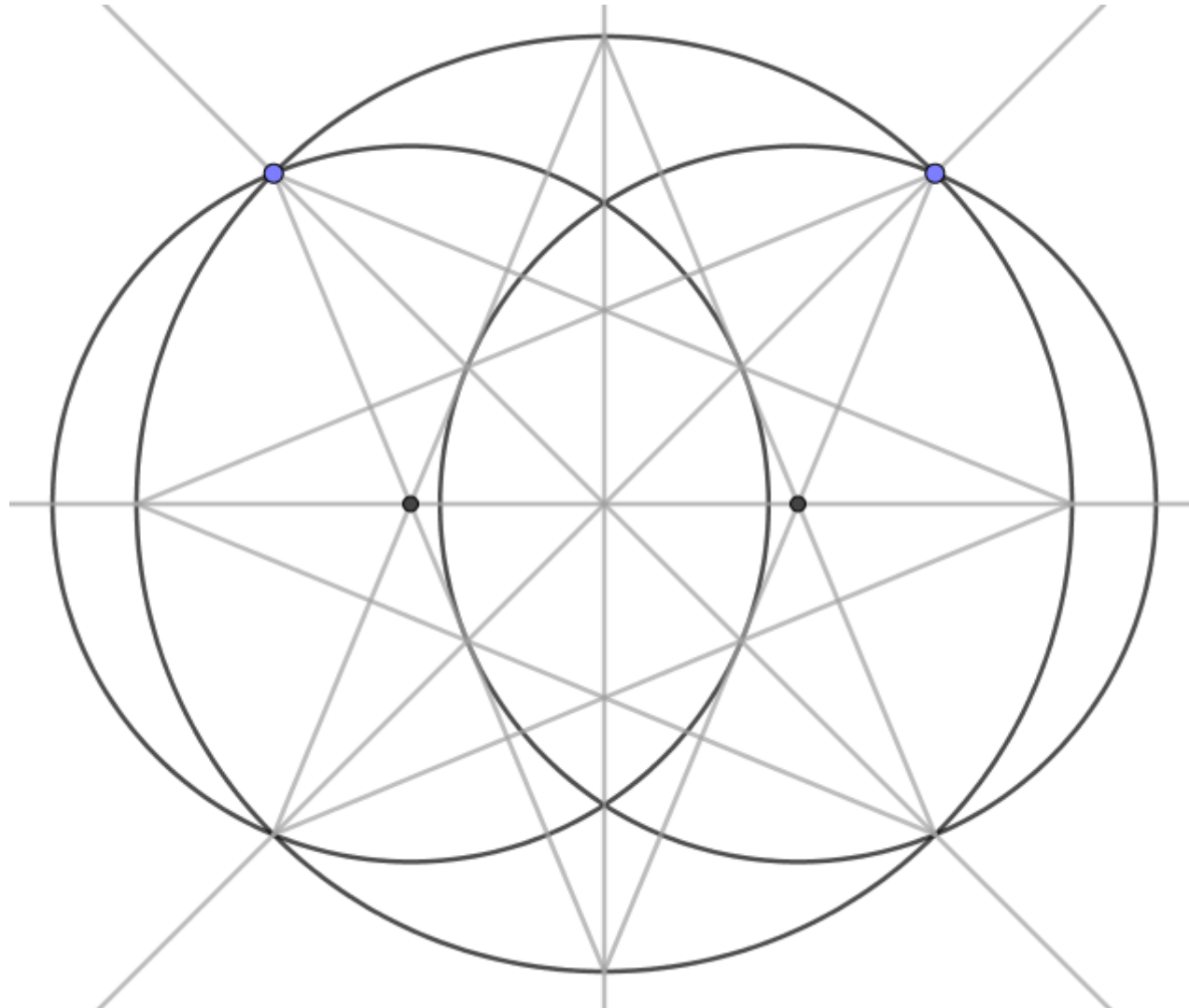
3. POINT THE COMPASS ON THE INTERSECTION OF THE LINES DRAWN AT POINT 2. AND THE HORIZONTAL LINE AND DRAW TWO CIRCLES TANGENT TO THE INTERSECTION OF THE DIAGONALS AND THE MAIN CIRCLE

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4. DRAW 4 PAIRS OF LINES AS SHOWN HERE AND FIND THE POINTS CIRCLED IN RED

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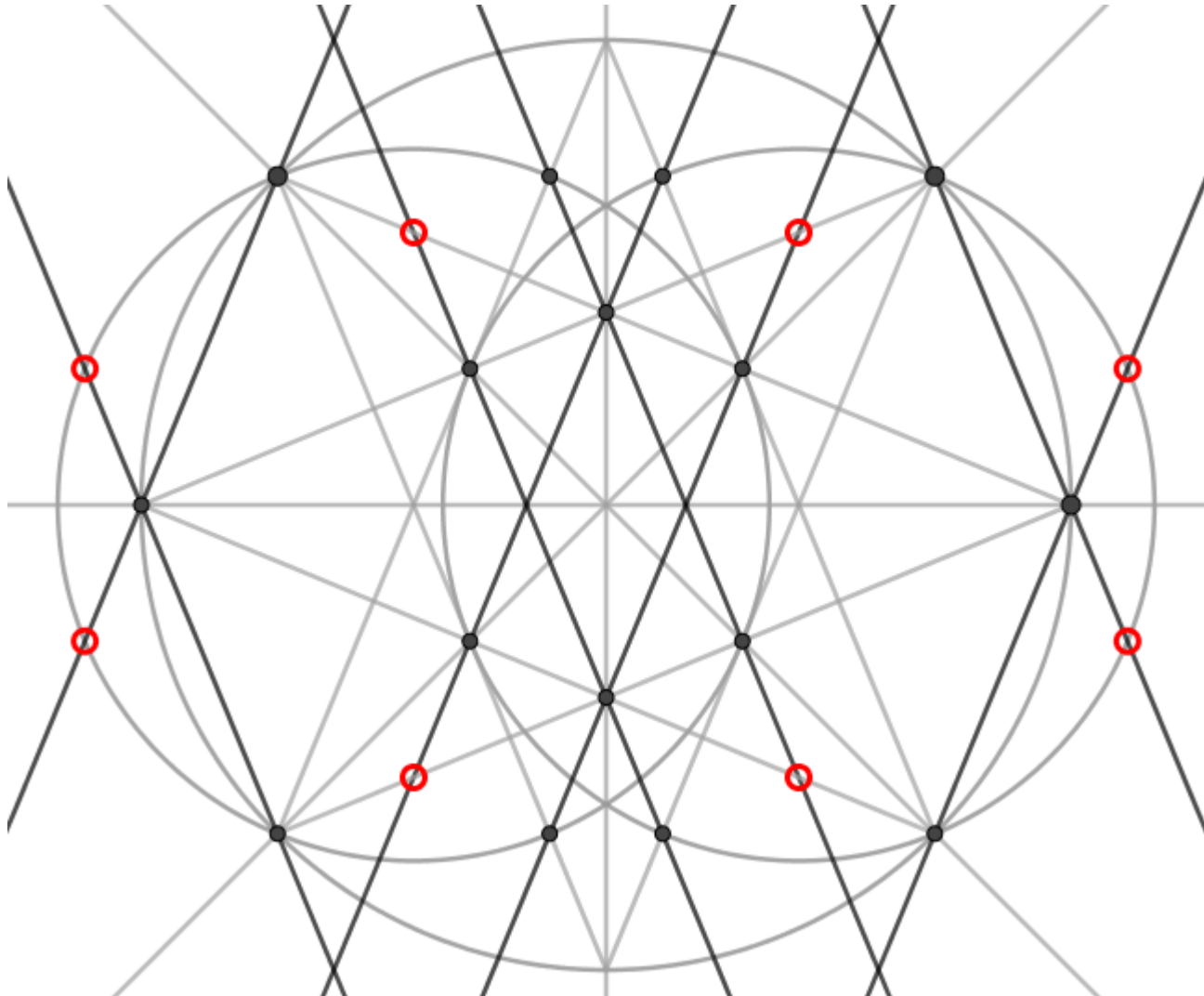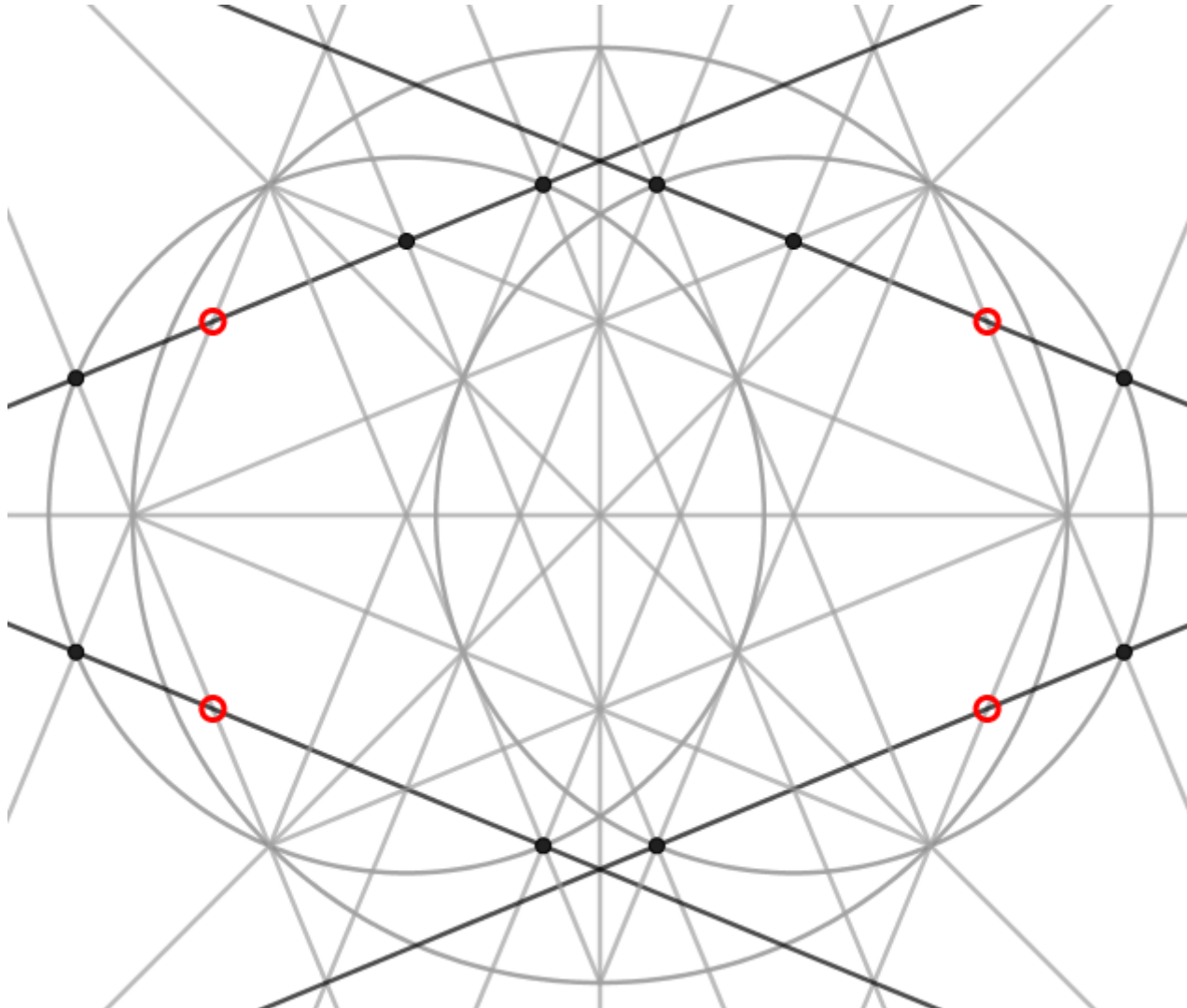5. DRAW ANOTHER 4 LINES FINDING THE POINTS CIRCLED IN RED

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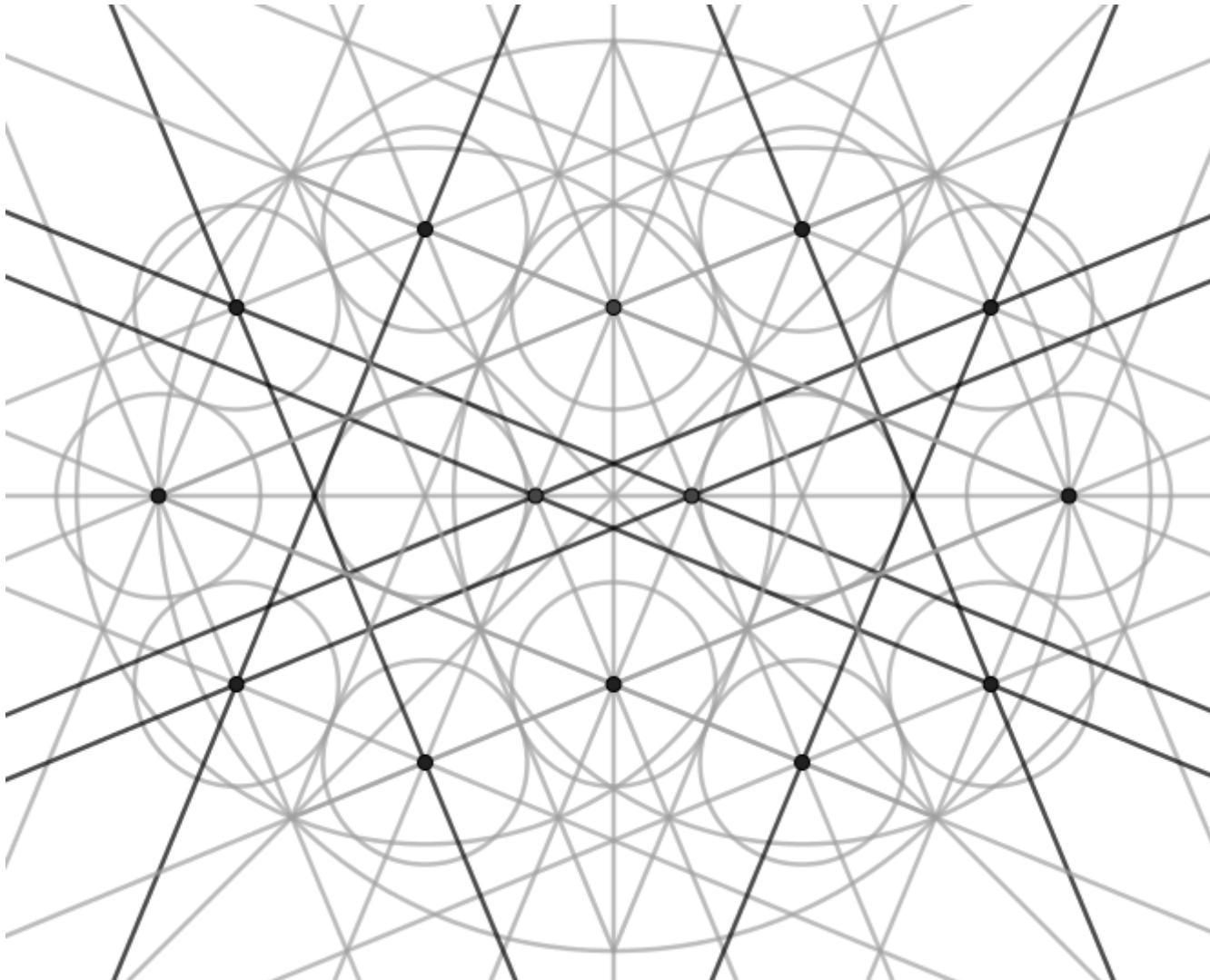@sandykurt.art f
@sandy.kurt ⊙
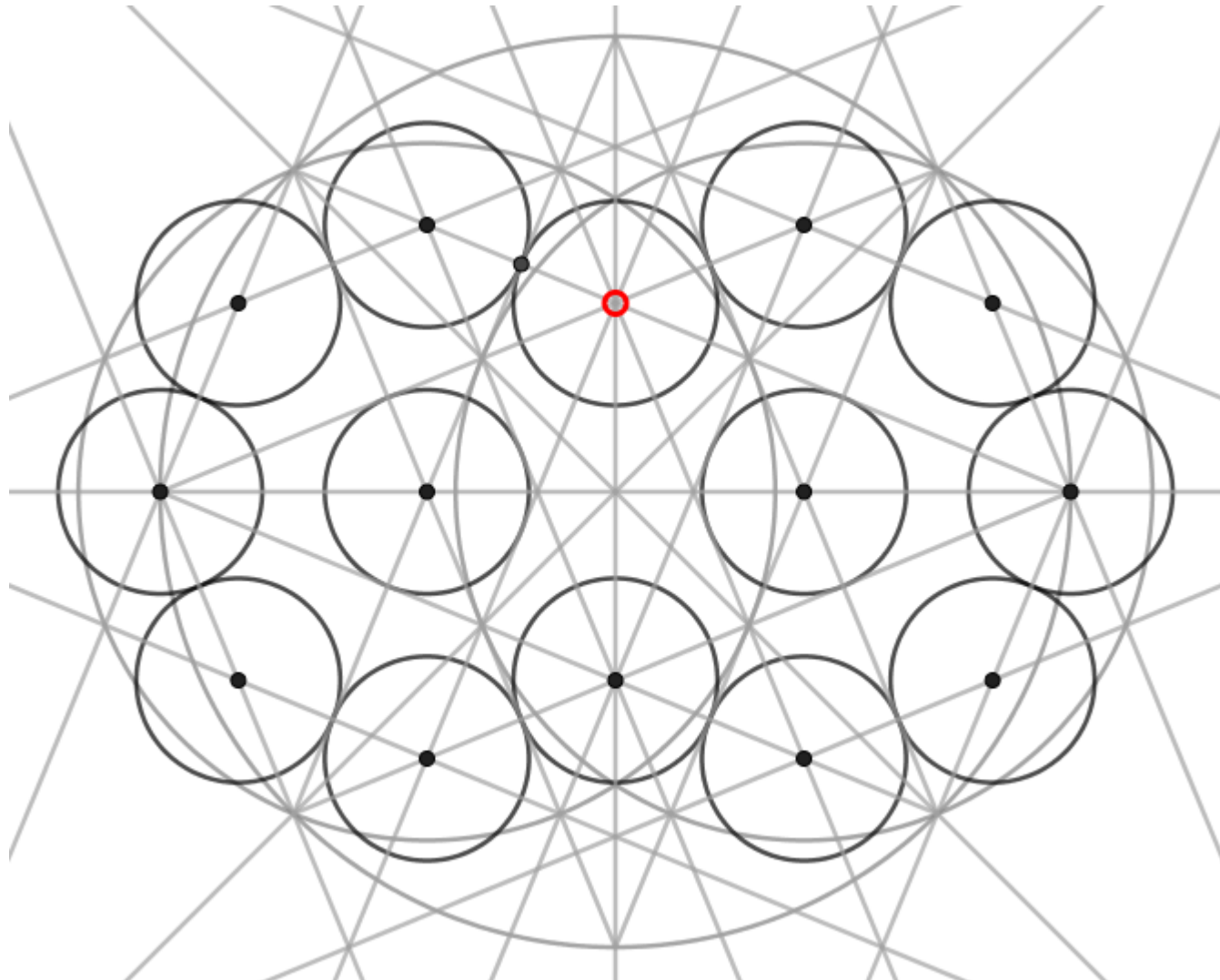
6. POINT THE COMPASS ON THE INTERSECTION CIRCLED IN RED AND DRAW A CIRCLE TANGENT TO THE LINE AS SHOWN HERE. USING THE SAME RADIUS DRAW THE SAME CIRCLE ON THE OTHER INTERSECTIONS

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7. COMPLETE THE DIVISION OF THE SMALL CIRCLES DRAWING THESE LINES.

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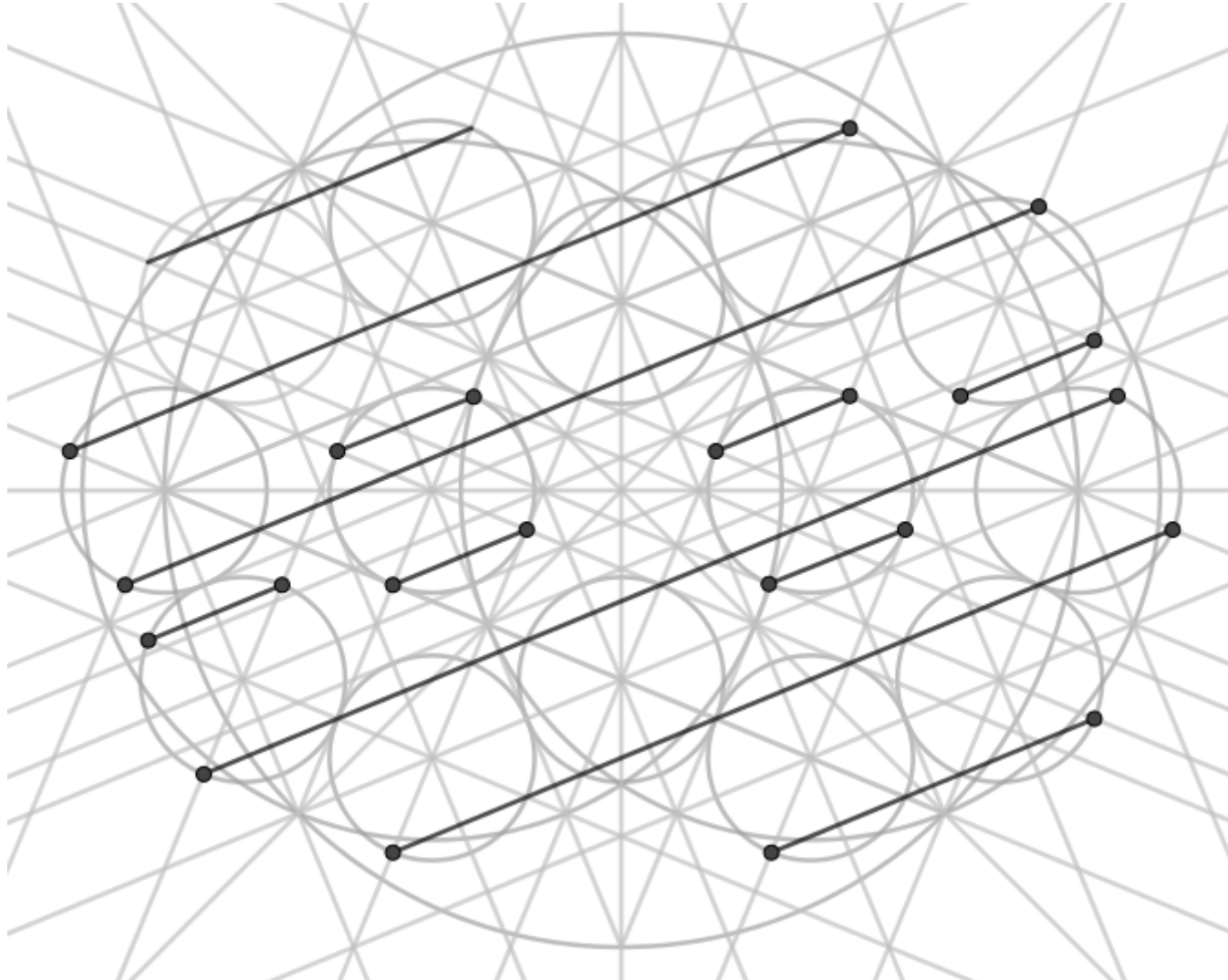
8. NOW IT'S TIME TO DRAW 2 SQUARES IN EACH SMALL CIRCLE. YOU CAN DO IT BY DRAWING THE SQUARES IN EACH SMALL CIRCLE SEPARATELY OR YOU CAN SPEED UP THINGS BY DRAWING THE SQUARES IN EACH SMALL CIRCLE AT THE SAME TIME. LET'S START BY DRAWING THE FIRST SIDE OF THE FIRST SQUARE

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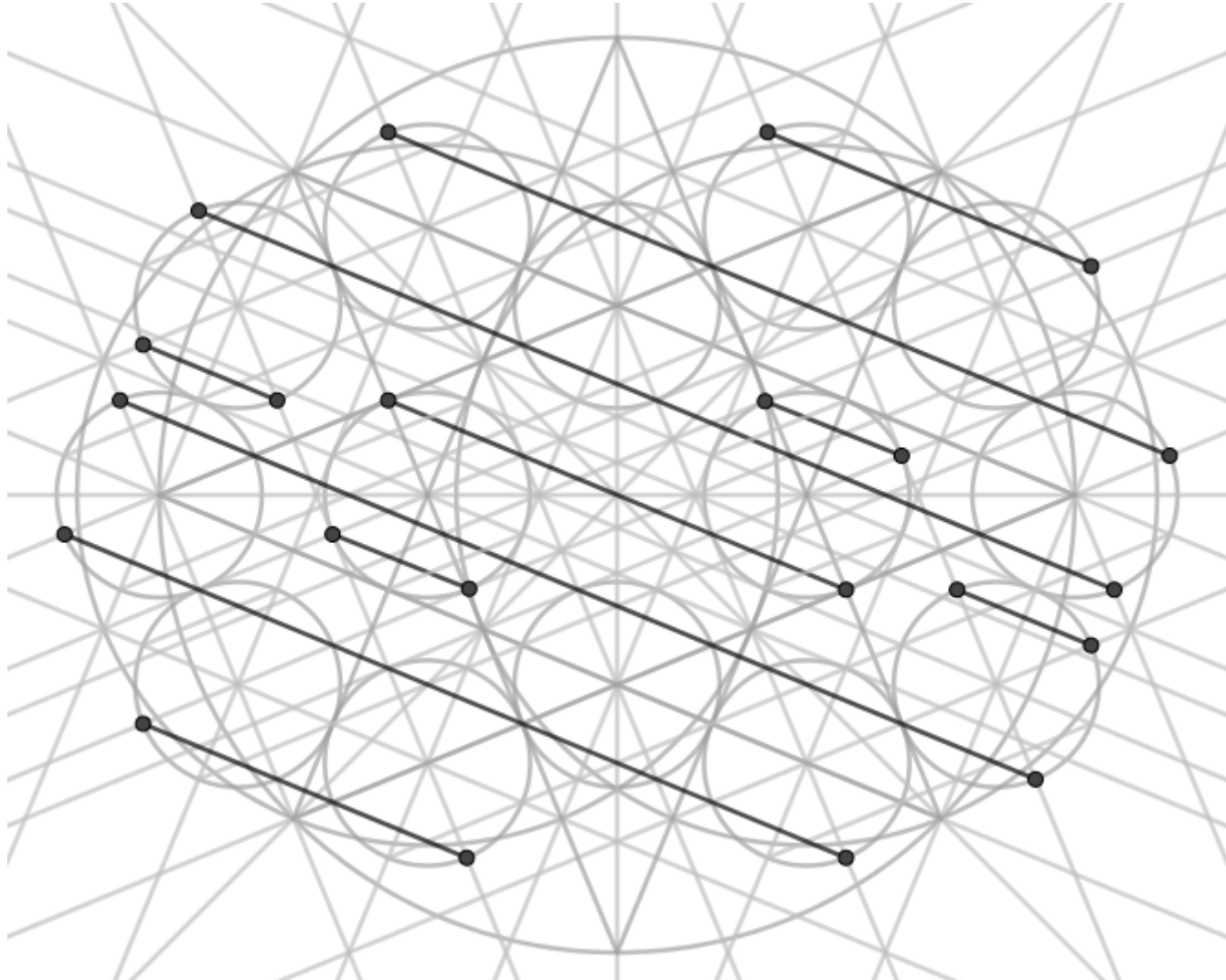
9. DO THE SAME ON THE OTHER SIDE
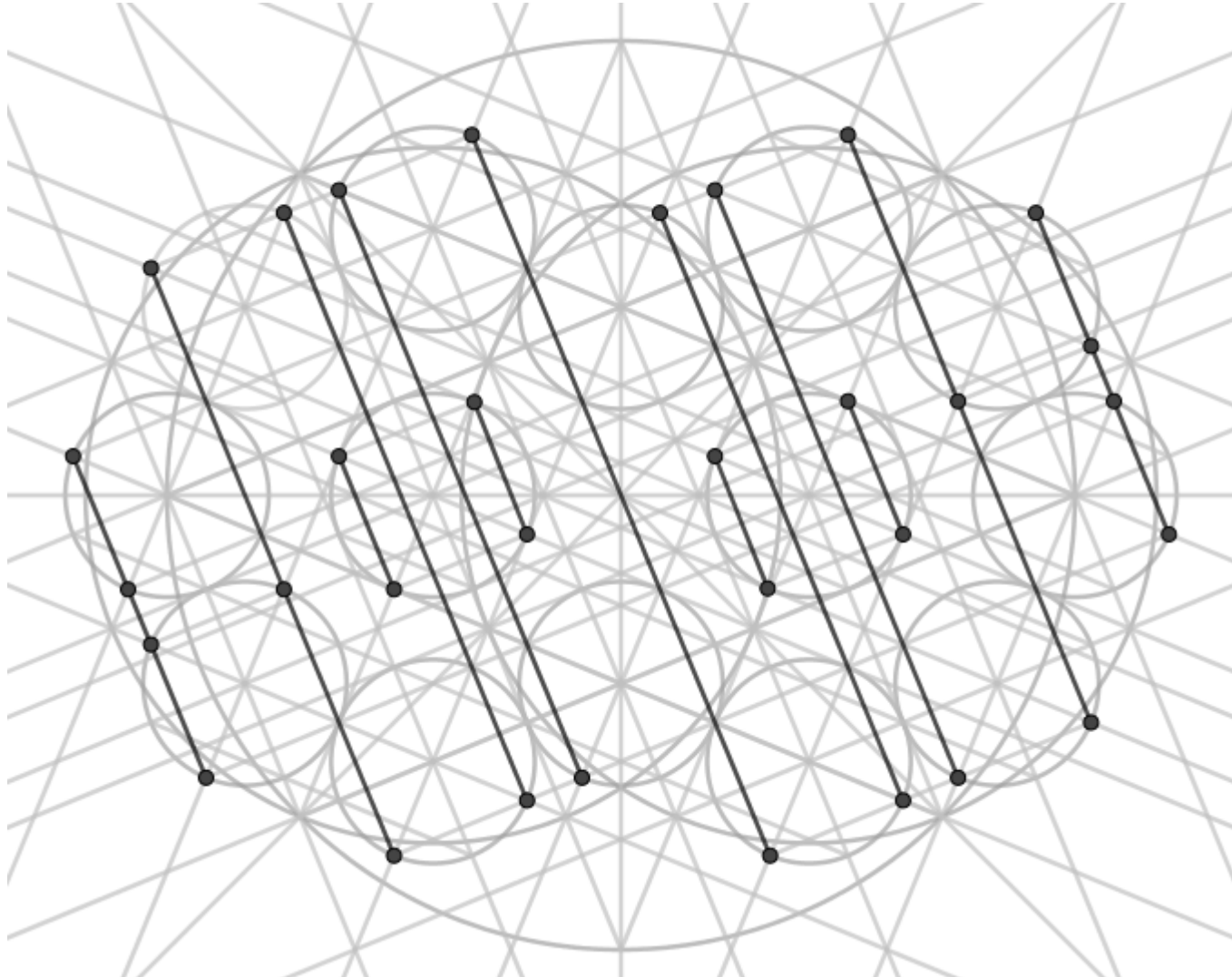
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10. ANOTHER SIDE
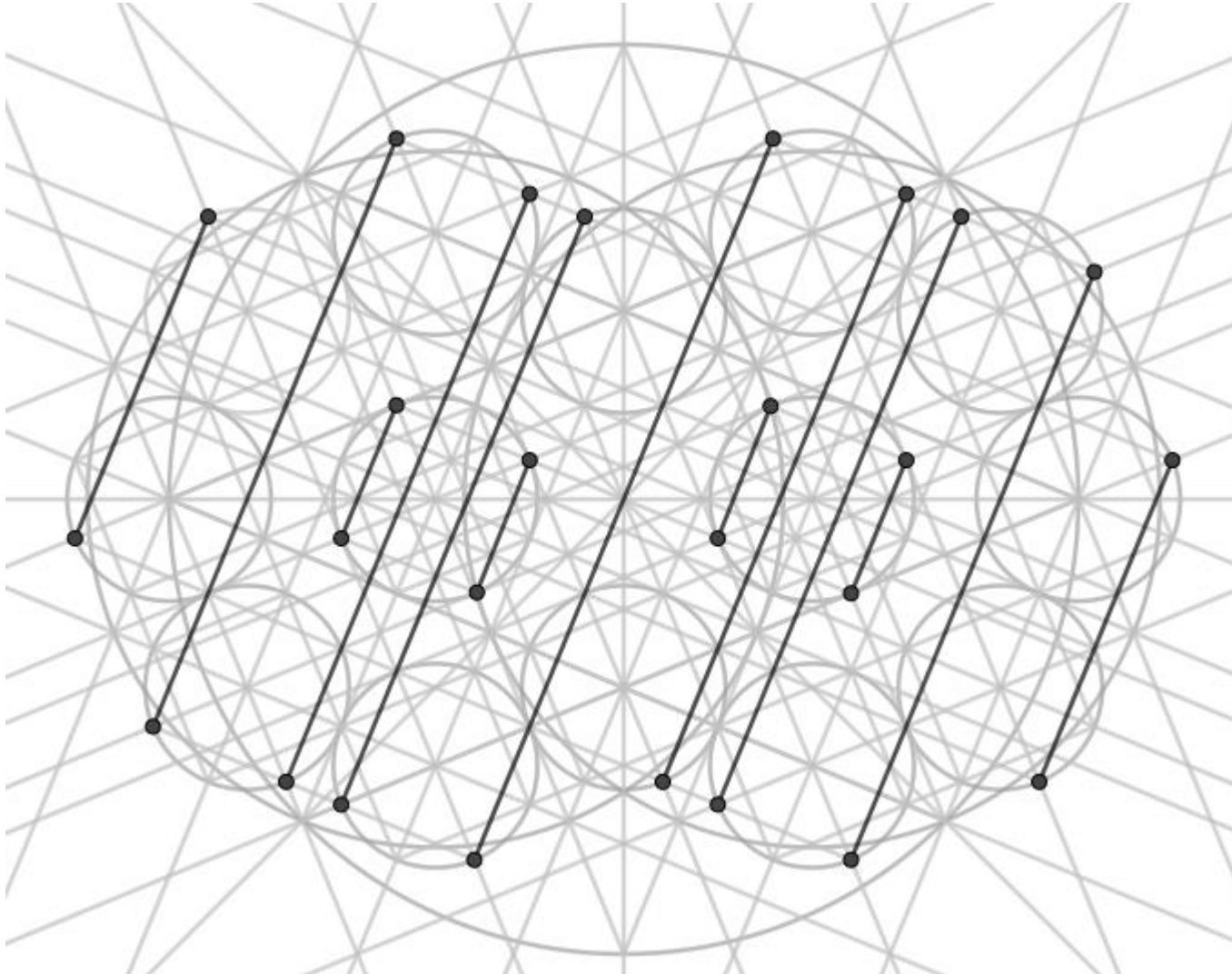
11. AND THE LAST SIDE

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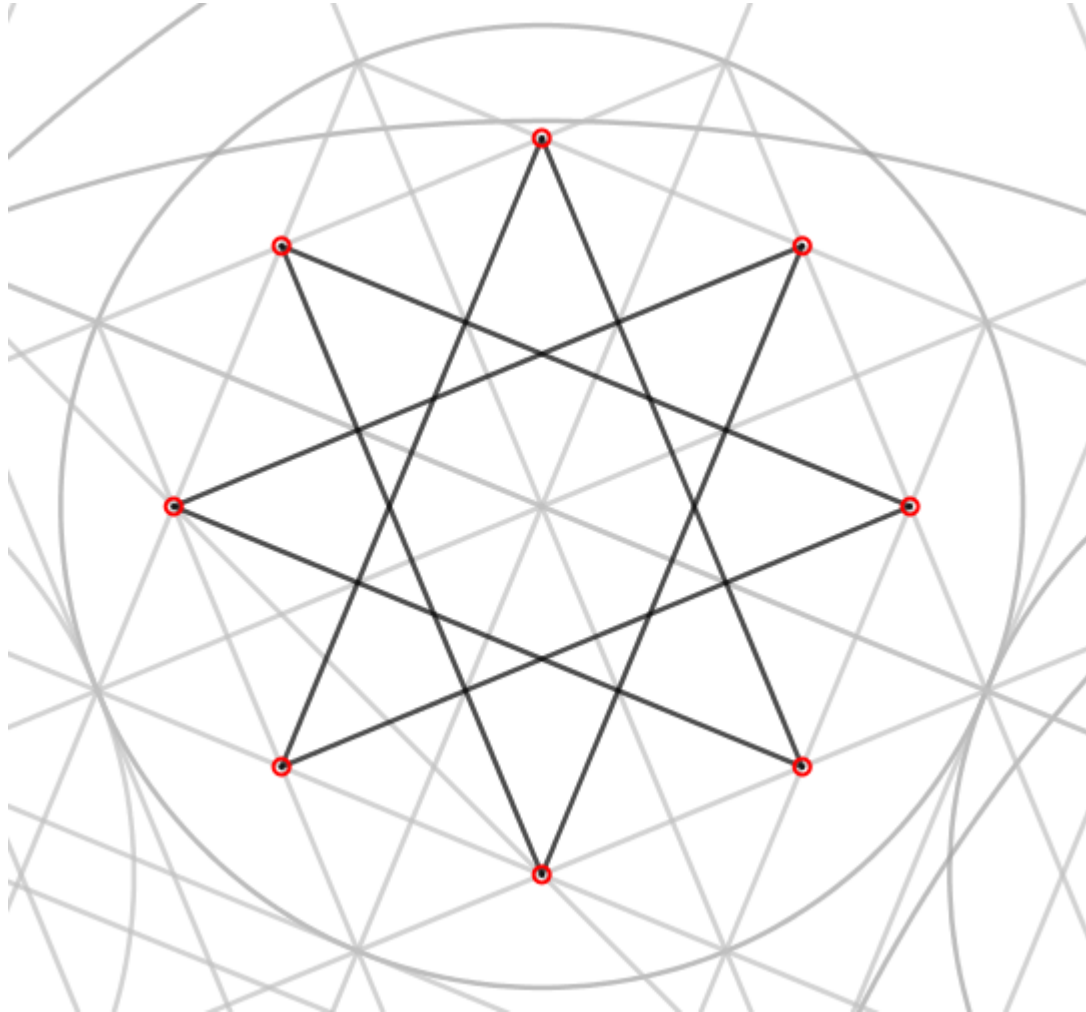
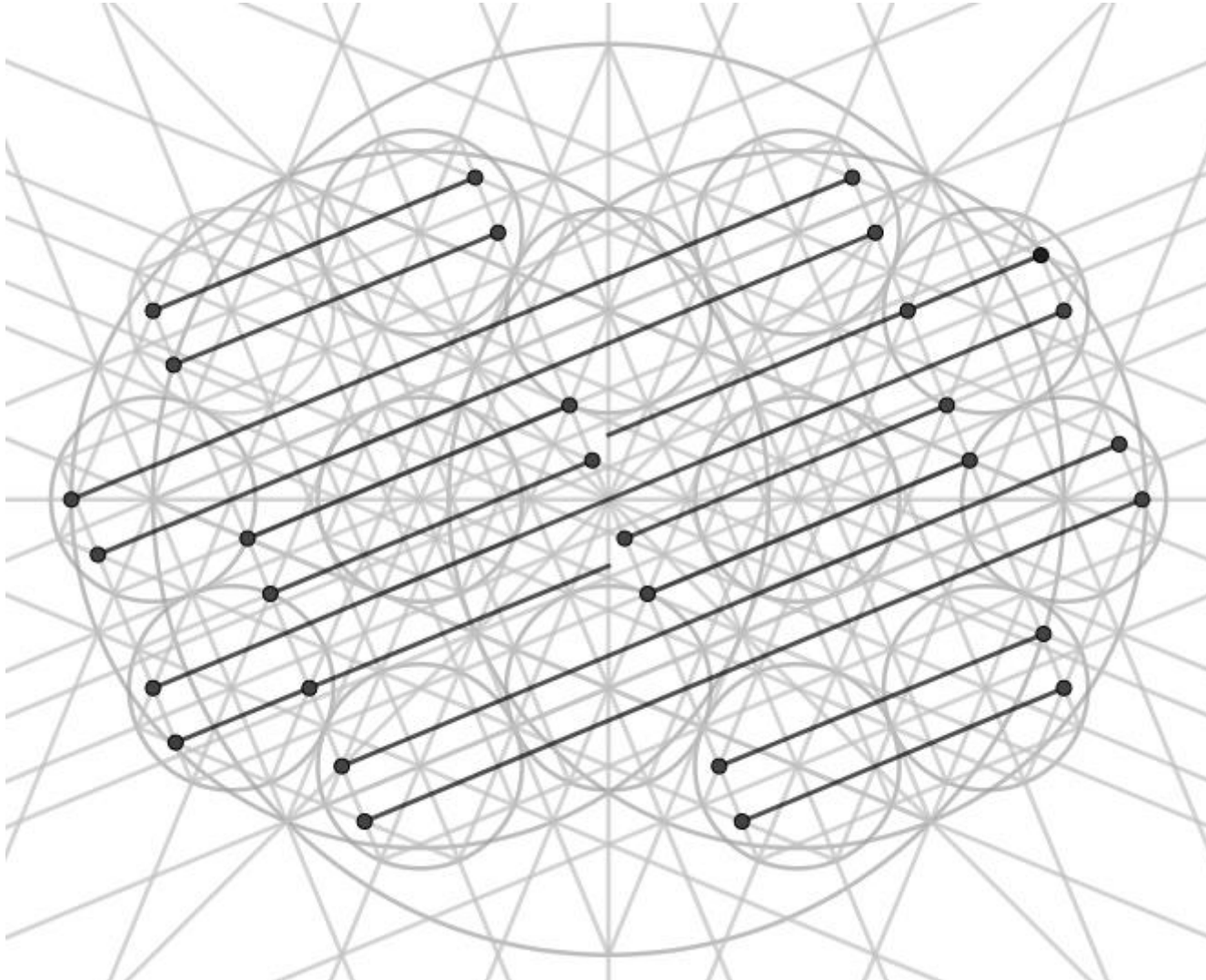12. EACH SMALL CIRCLE SHOULD LOOK LIKE THIS (THIS IS A CLOSE-UP). DRAW THE PARALLEL LINES JOINING THE INTERSECTIONS CIRCLED IN RED. DO IT VERTICALLY, HORIZONTALLY AND DIAGONALLY
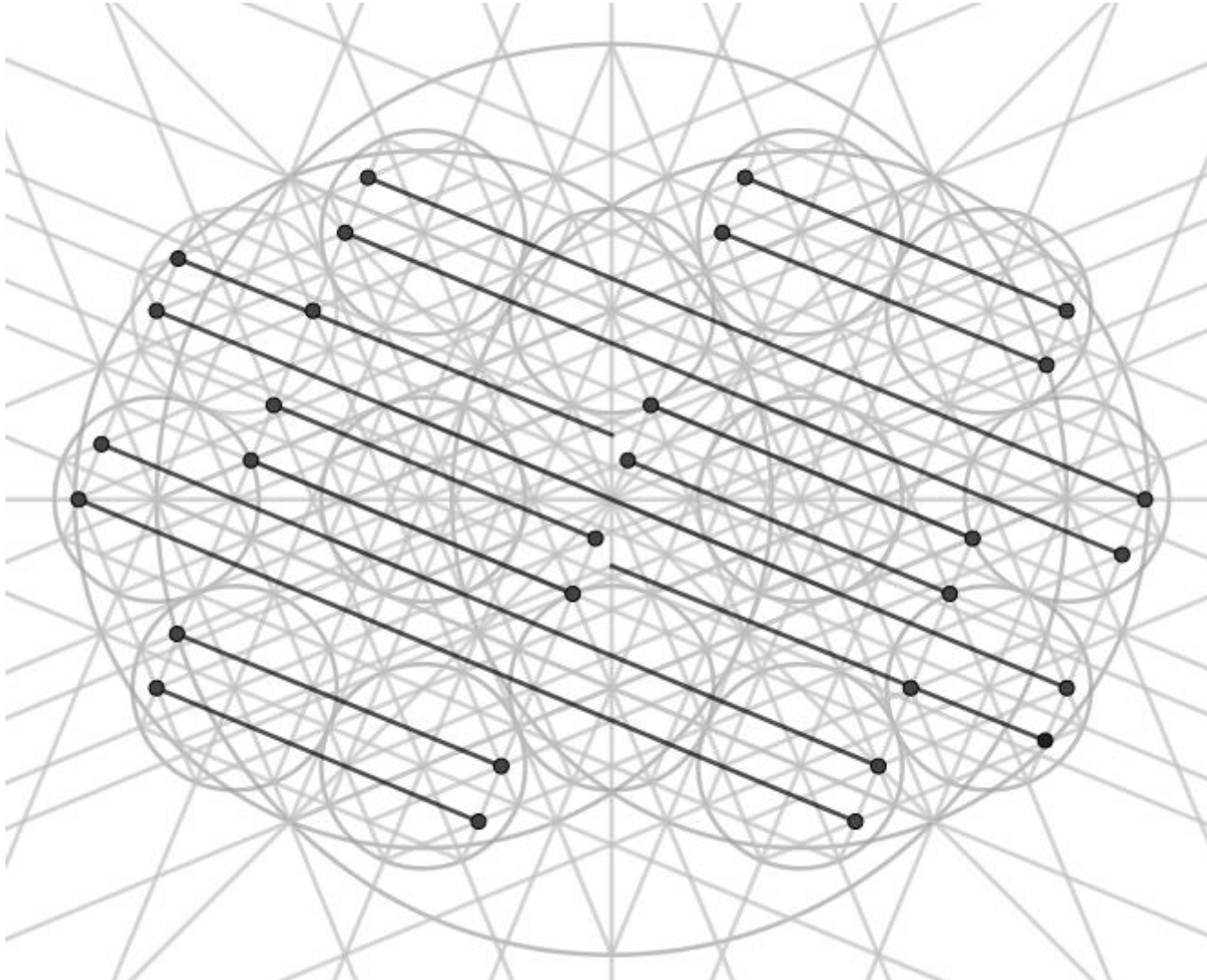
13. DRAW 8 PAIR OF PERPENDICULAR LINE AS SHOWN AT POINT 1. THIS IS THE FIRST SET

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14. OTHER SIDE
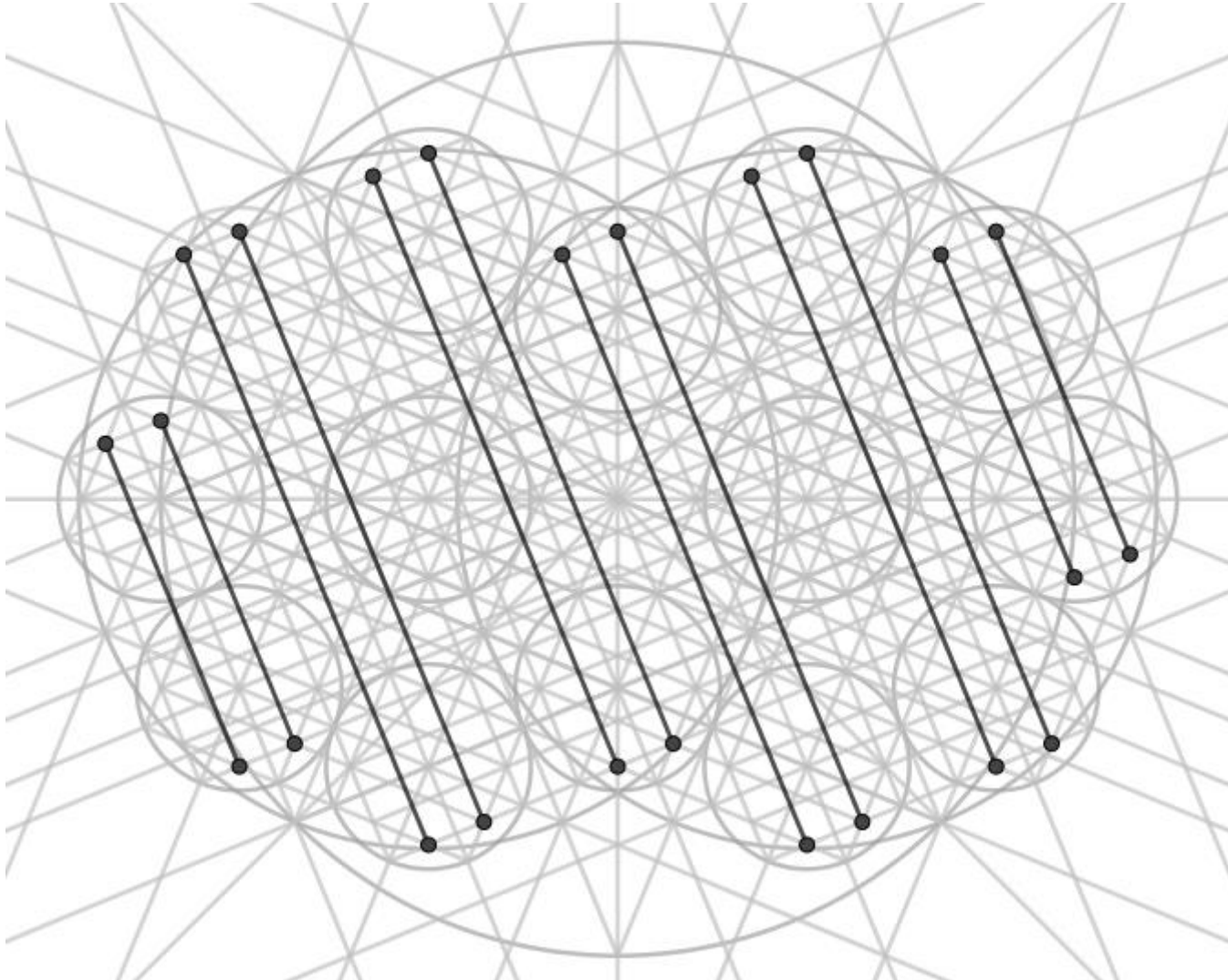
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15. ANOTHER SET OF LINES
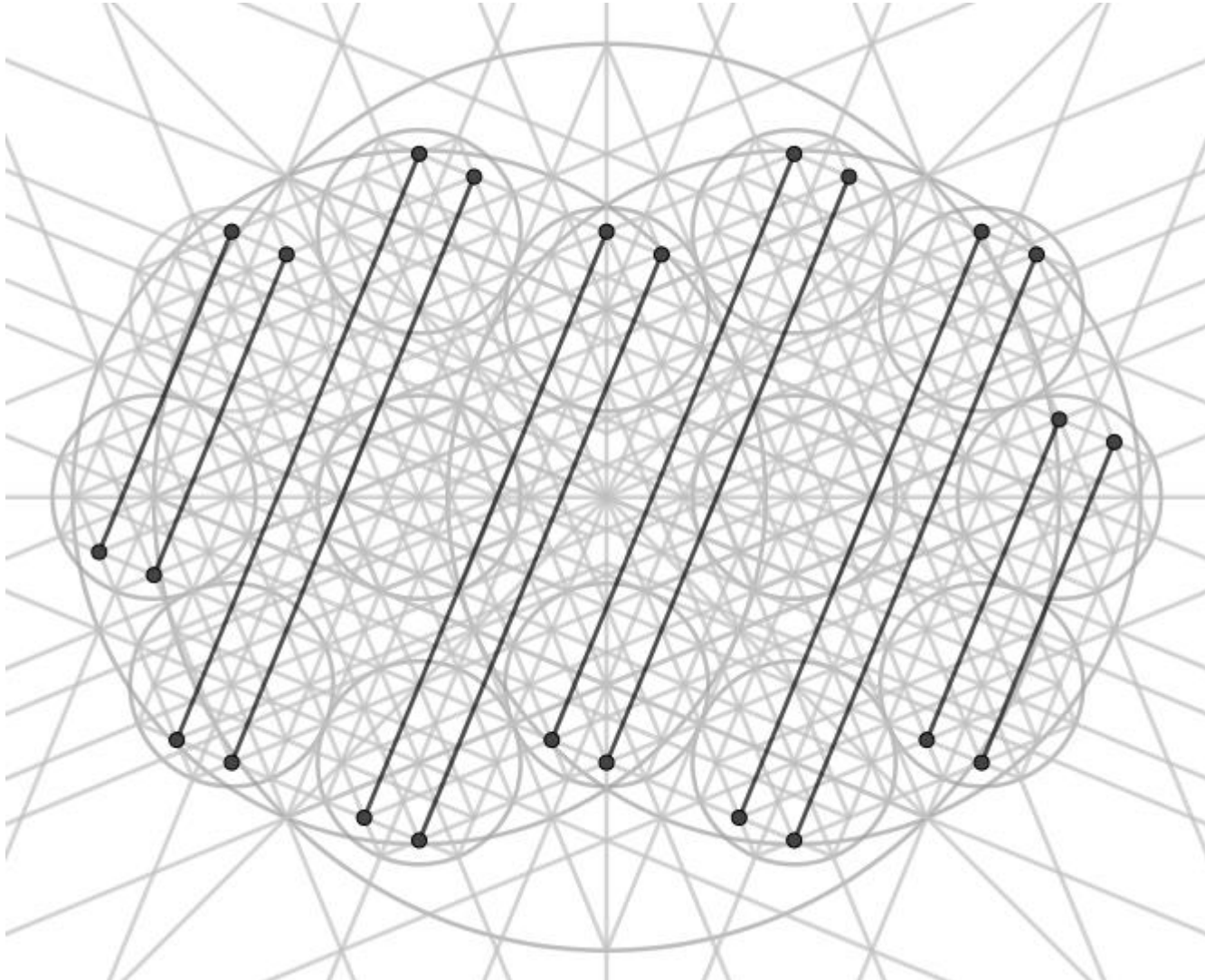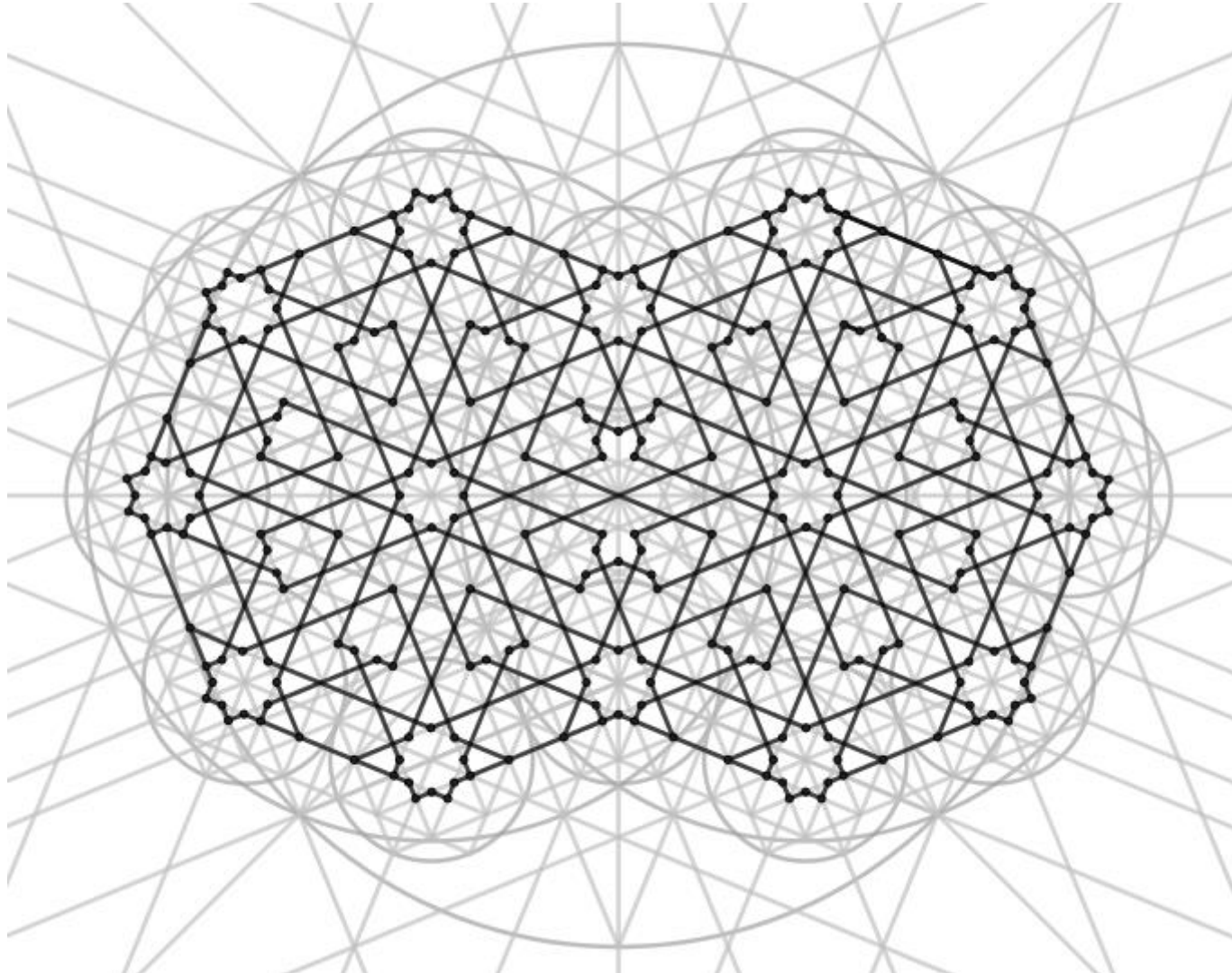
16. LAST SET OF LINES. THE CONSTRUCTION LINES ARE NOW COMPLITED. IT'S TIME TO HIGHLIGHT THE PATTERN

17. HERE IS THE FINAL PATTERN.