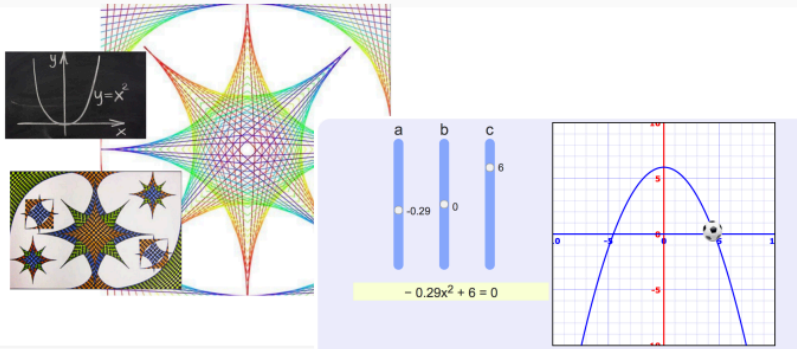


Parabolic Curve

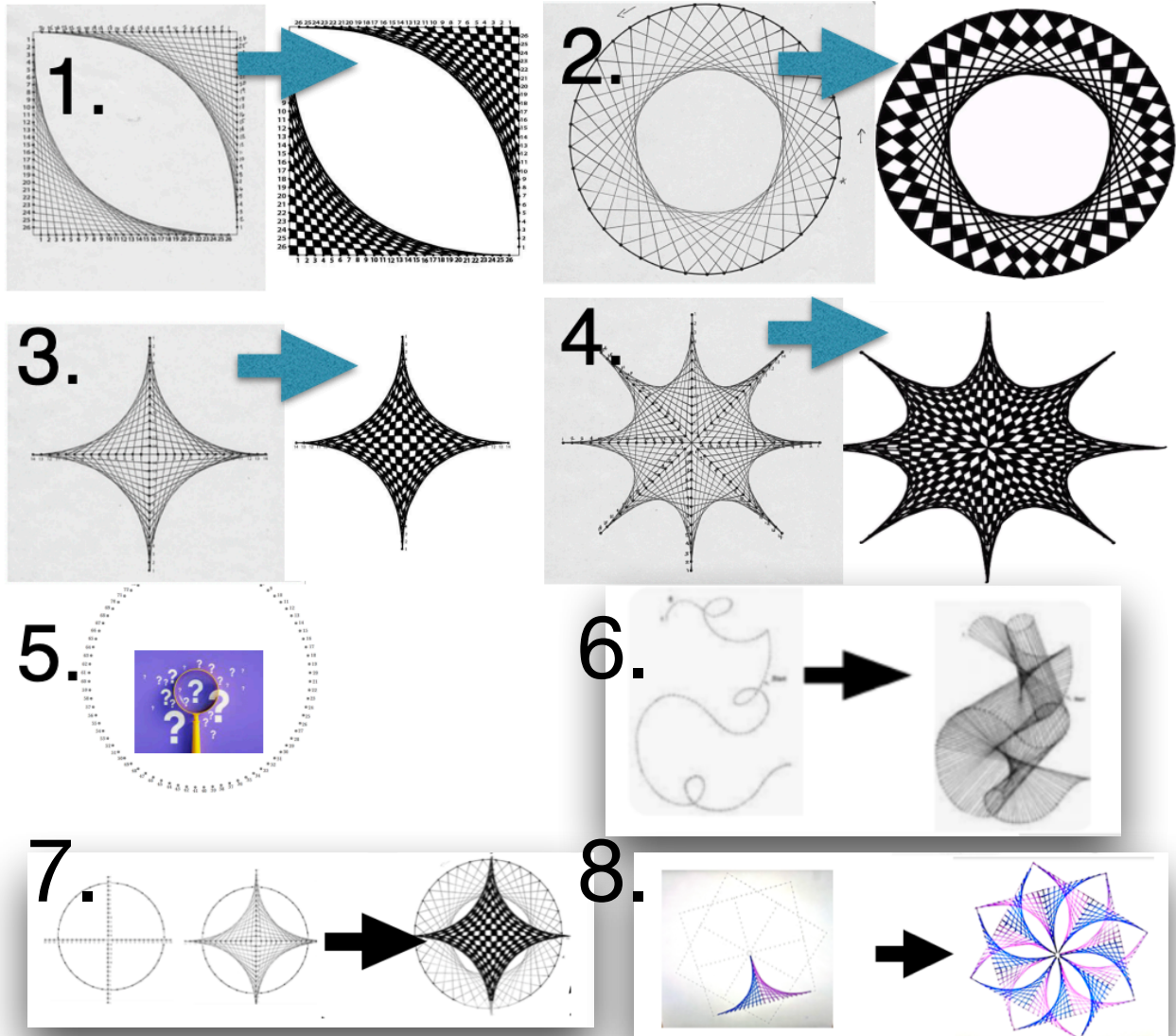
Practice packet. One of the most basic and versatile configurations is the Parabolic Curve line design. The basic principle of this design is the creation of **curved shapes** from the intersection of **straight lines**.

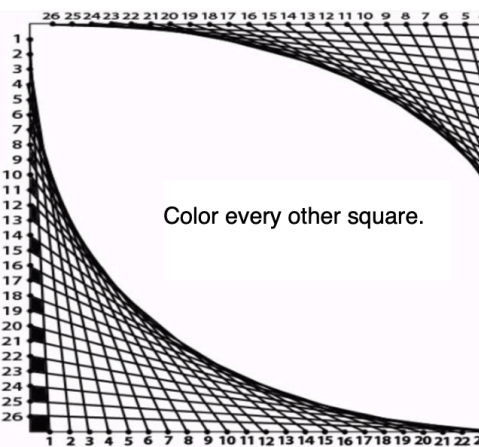
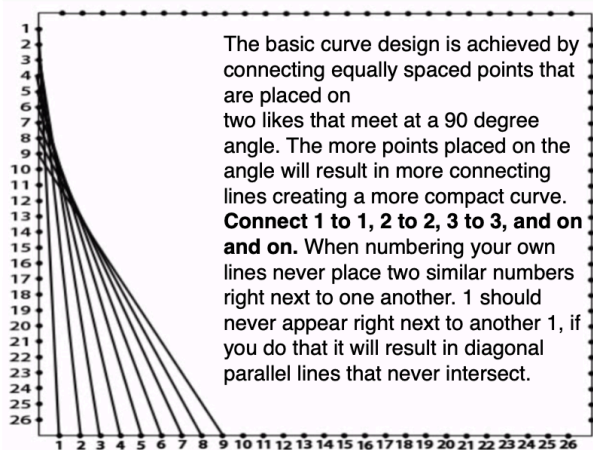


Directions: Using your ruler, follow the steps to complete 5 parabolic curve designs. When you are done with the lines, create a checkerboard pattern. To get full points, the lines need to be straight, and the design neatly filled in.
You can use color pencils, or keep it black and white - your choice.

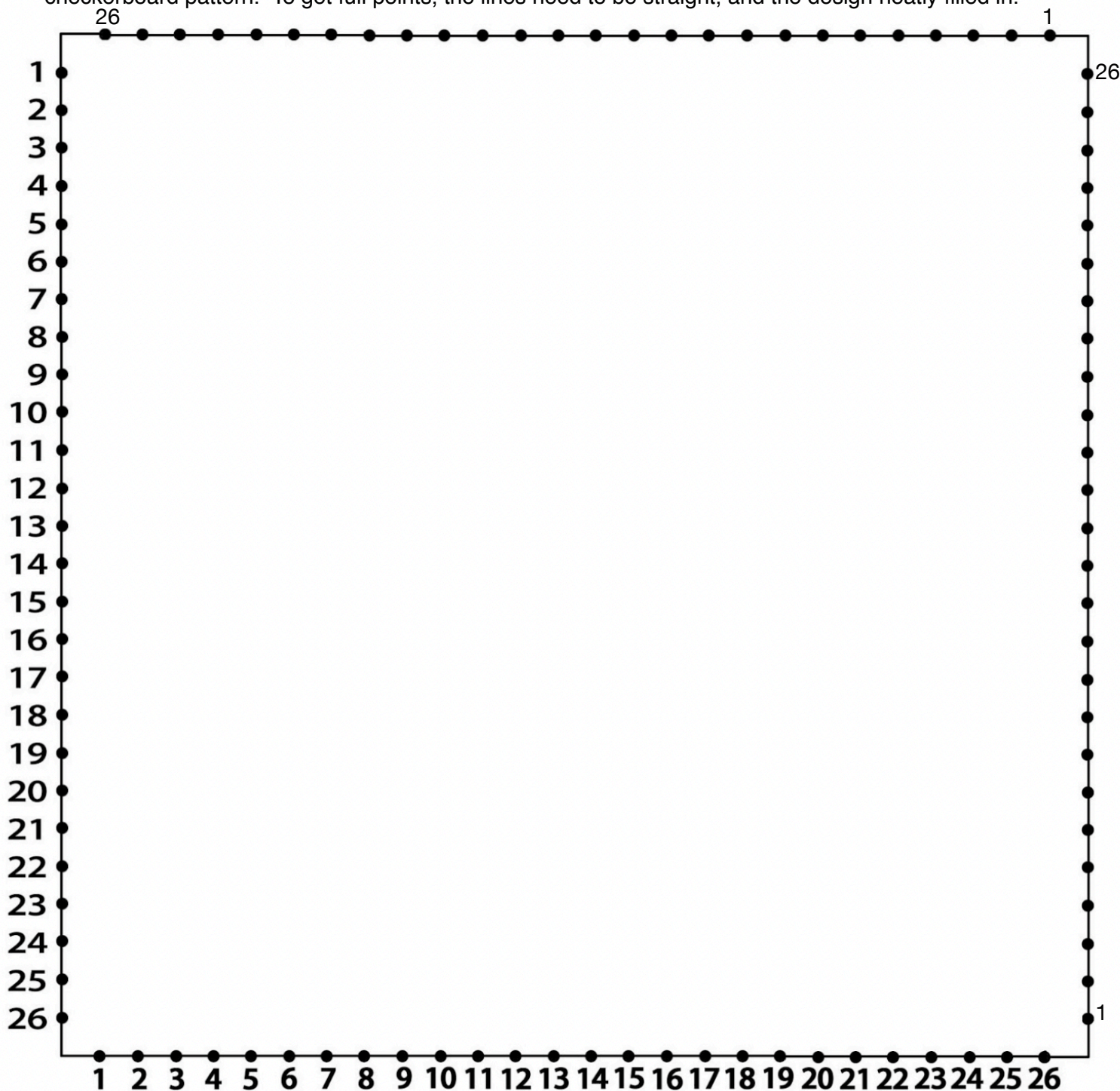
Tips: The basic curve design is achieved by connecting equally spaced points that are placed on two lines that meet at a 90 degree angle. The more points placed on the angle will result in more connecting lines creating a more compact curve.

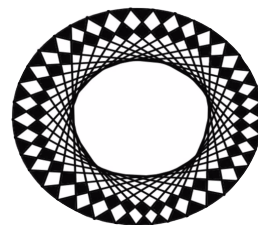
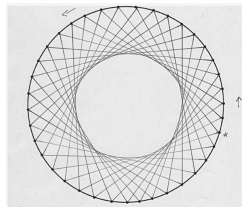
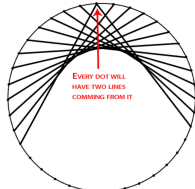
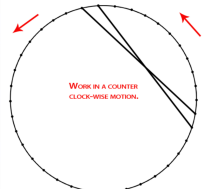
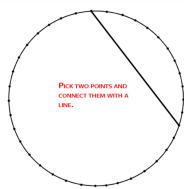
Connect 1 to 1, 2 to 2, 3 to 3, and on and on. When numbering your own lines never place two similar numbers right next to one another. 1 should never appear right next to another 1, if you do that it will result in diagonal parallel lines that never intersect.





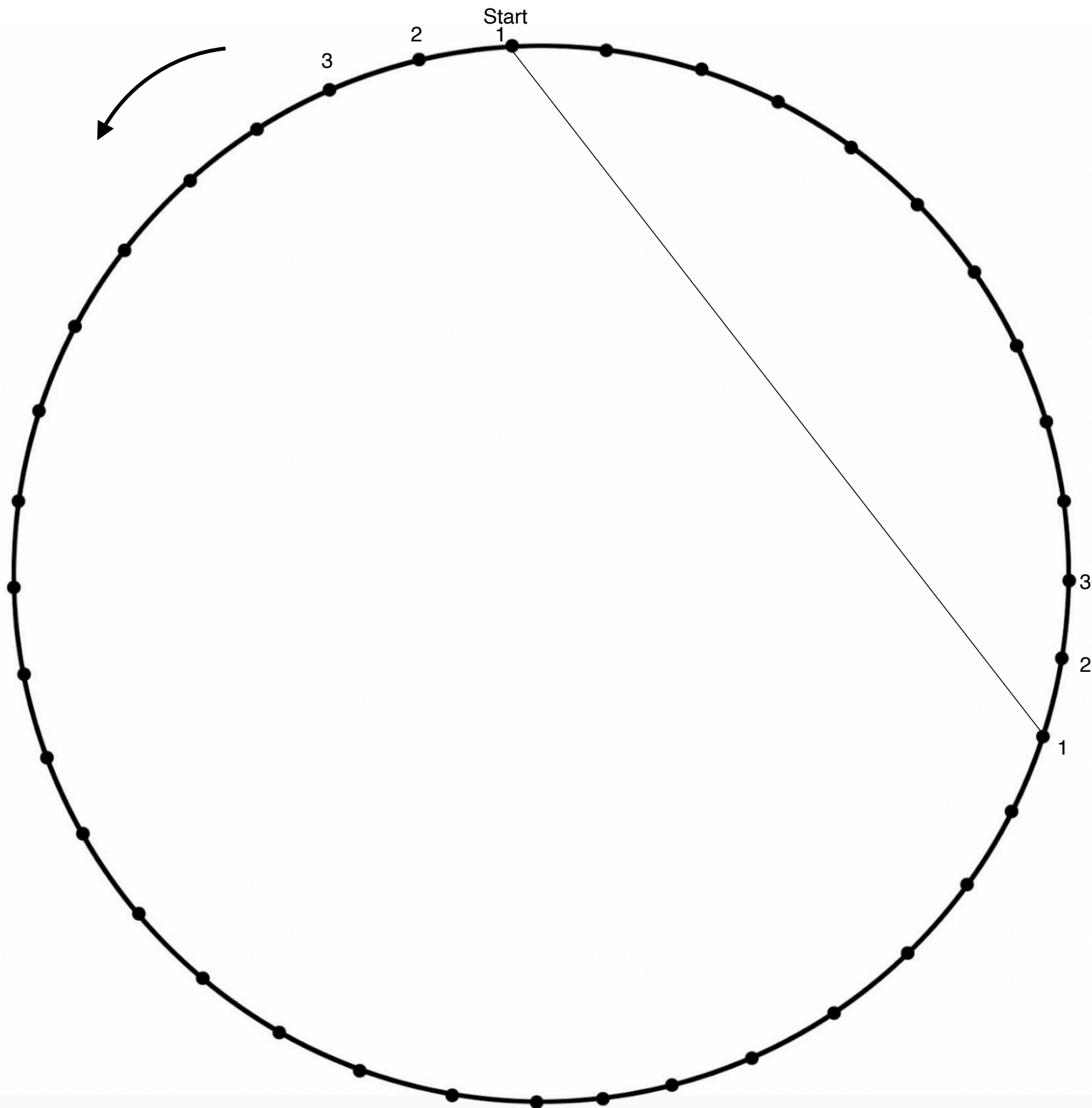
Directions: Using your ruler, create this parabolic curve design. When you are done with the lines, create a checkerboard pattern. To get full points, the lines need to be straight, and the design neatly filled in.



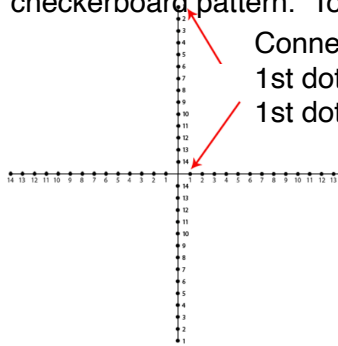


Directions: Using your ruler, create this parabolic curve design. Pick two points and connect them with a line. Work in a counter clock-wise motion. Go all the way around and don't stop. Remember that **every dot will have two lines coming from them**. Connect 1 to 1, 2 to 2, 3 to 3 and so on. When you are done with the lines, create a checkerboard pattern. To get full points, the lines need to be straight, and the design neatly filled in.

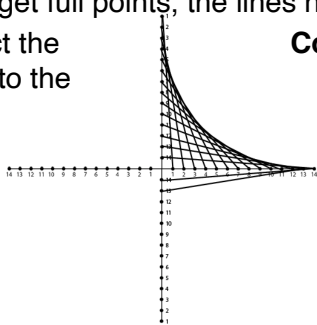
Remember to alternate empty and filled spaces.



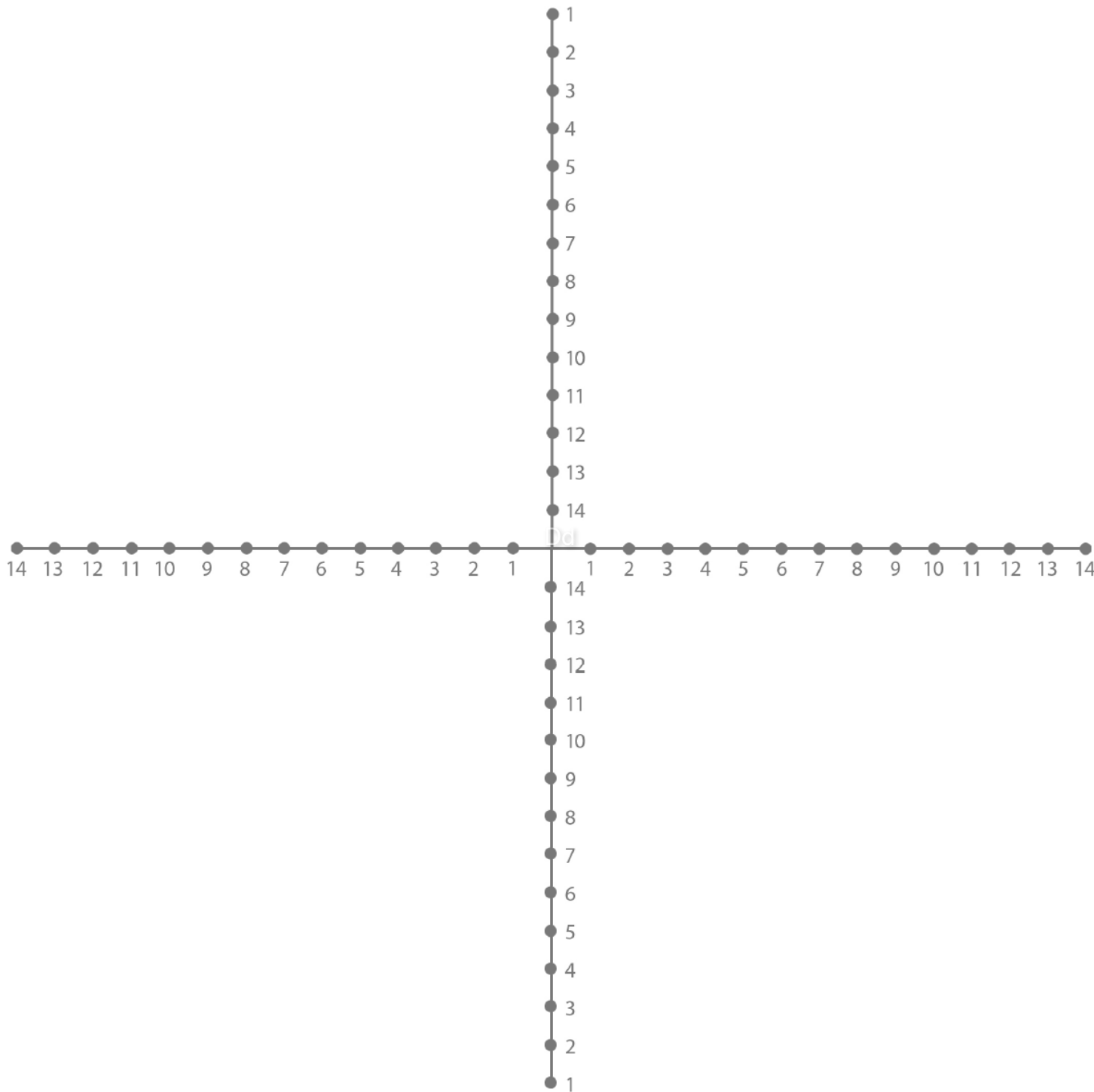
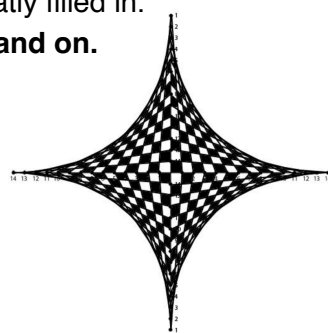
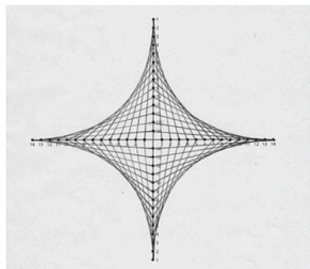
Directions: Using your ruler, create this parabolic curve design. When you are done with the lines, create a checkerboard pattern. To get full points, the lines need to be straight, and the design neatly filled in.



Connect the
1st dot to the
1st dot.



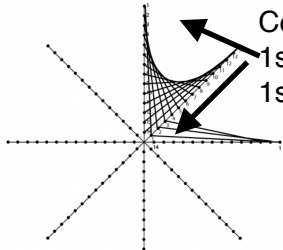
Connect 1 to 1, 2 to 2, 3 to 3, and on and on.



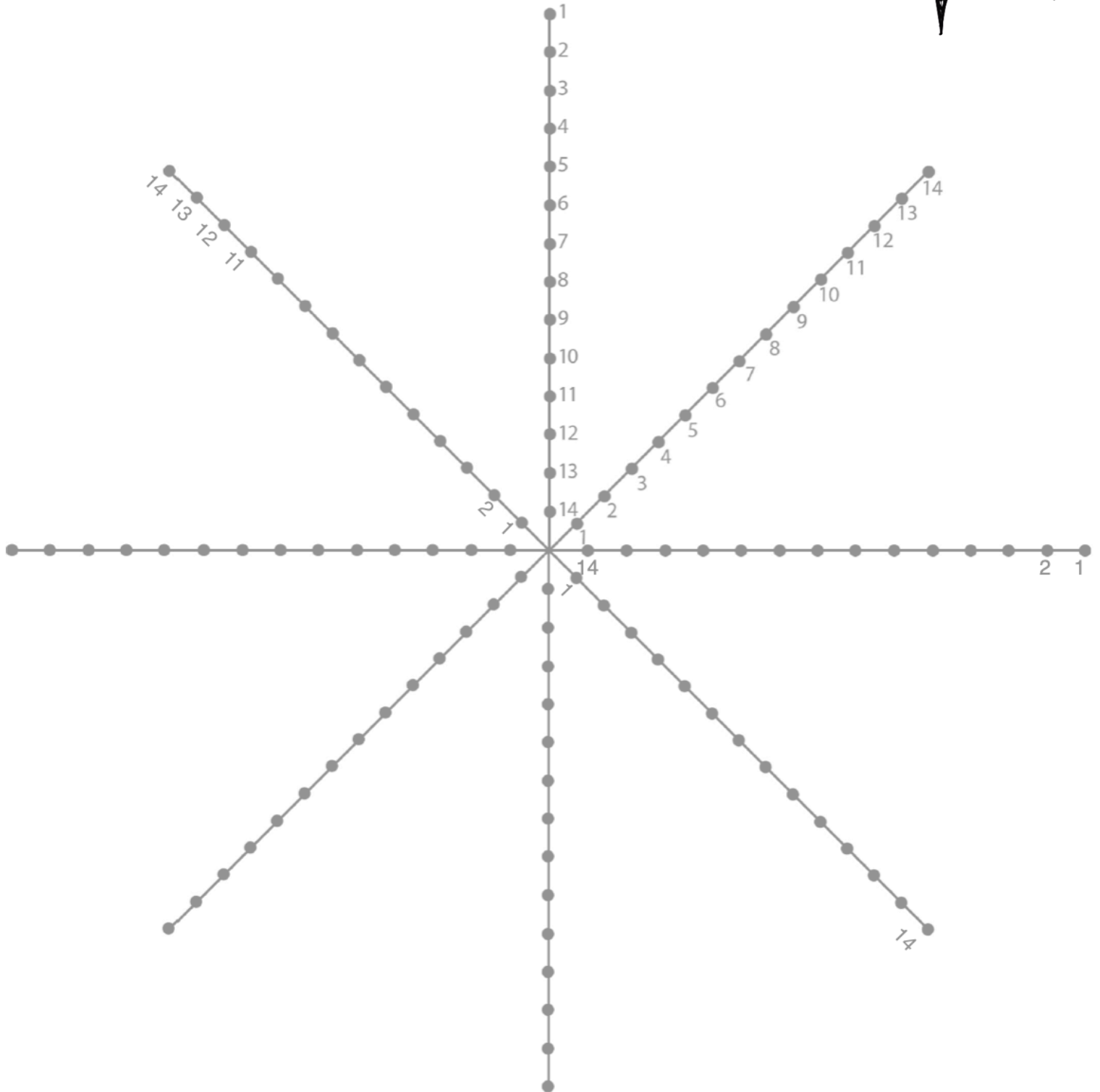
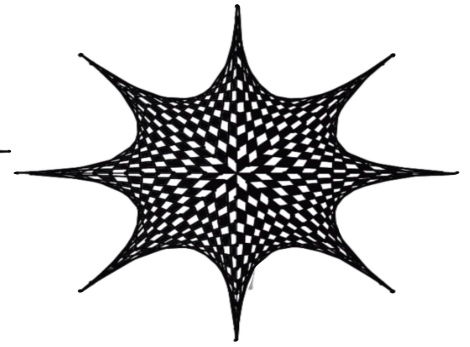
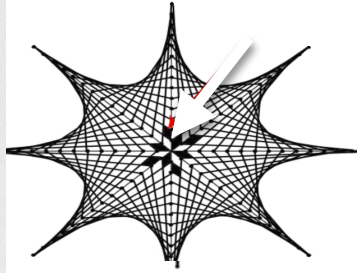
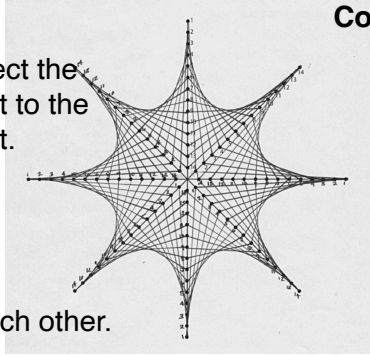
Directions: Using your ruler, create this parabolic curve design. When you are done with the lines, create a checkerboard pattern. To get full points, the lines need to be straight, and the design neatly filled in.

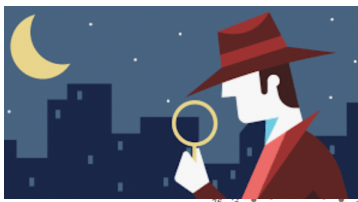
Connect 1 to 1, 2 to 2, 3 to 3, and on and on.

Remember to alternate empty and filled spaces.



Never put 1's next to each other.





MAKE CURVES FROM STRAIGHT LINES

*parabolic
curve*

Draw on the large template



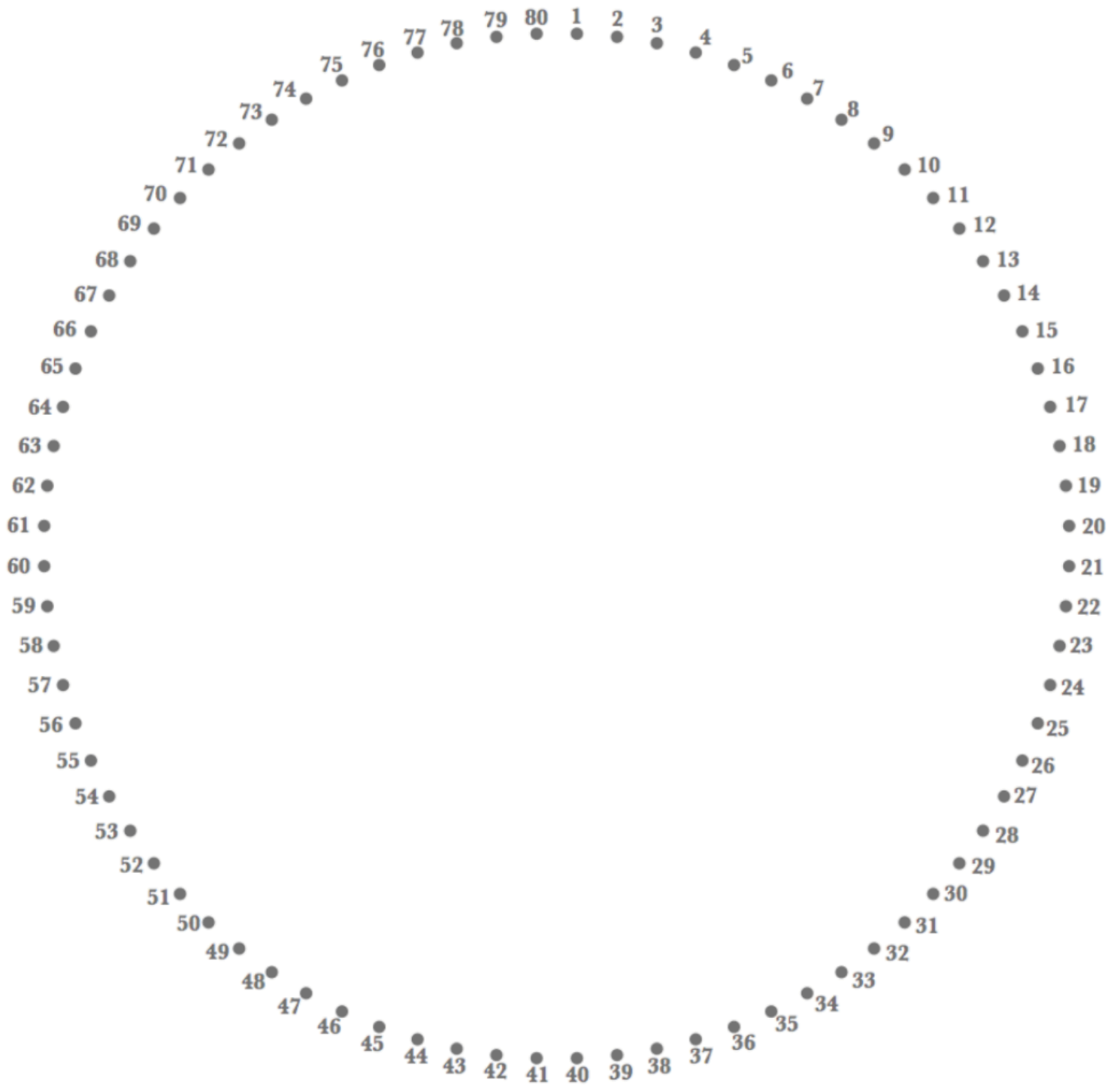
Mystery parabolic curve directions: Using the large circle template, create a parabolic curve. You need a ruler and a pencil. Use the checklist and mark every time you complete the line. You will not know what it is until the end. Have fun!

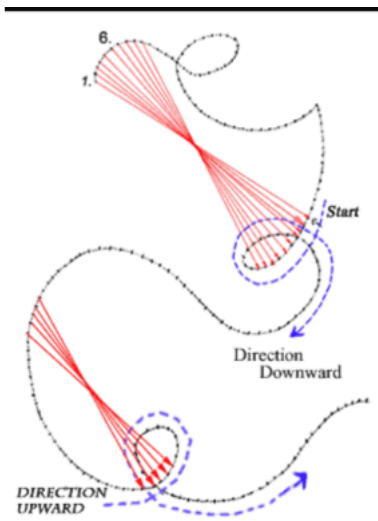
Large Template on Back — — —>



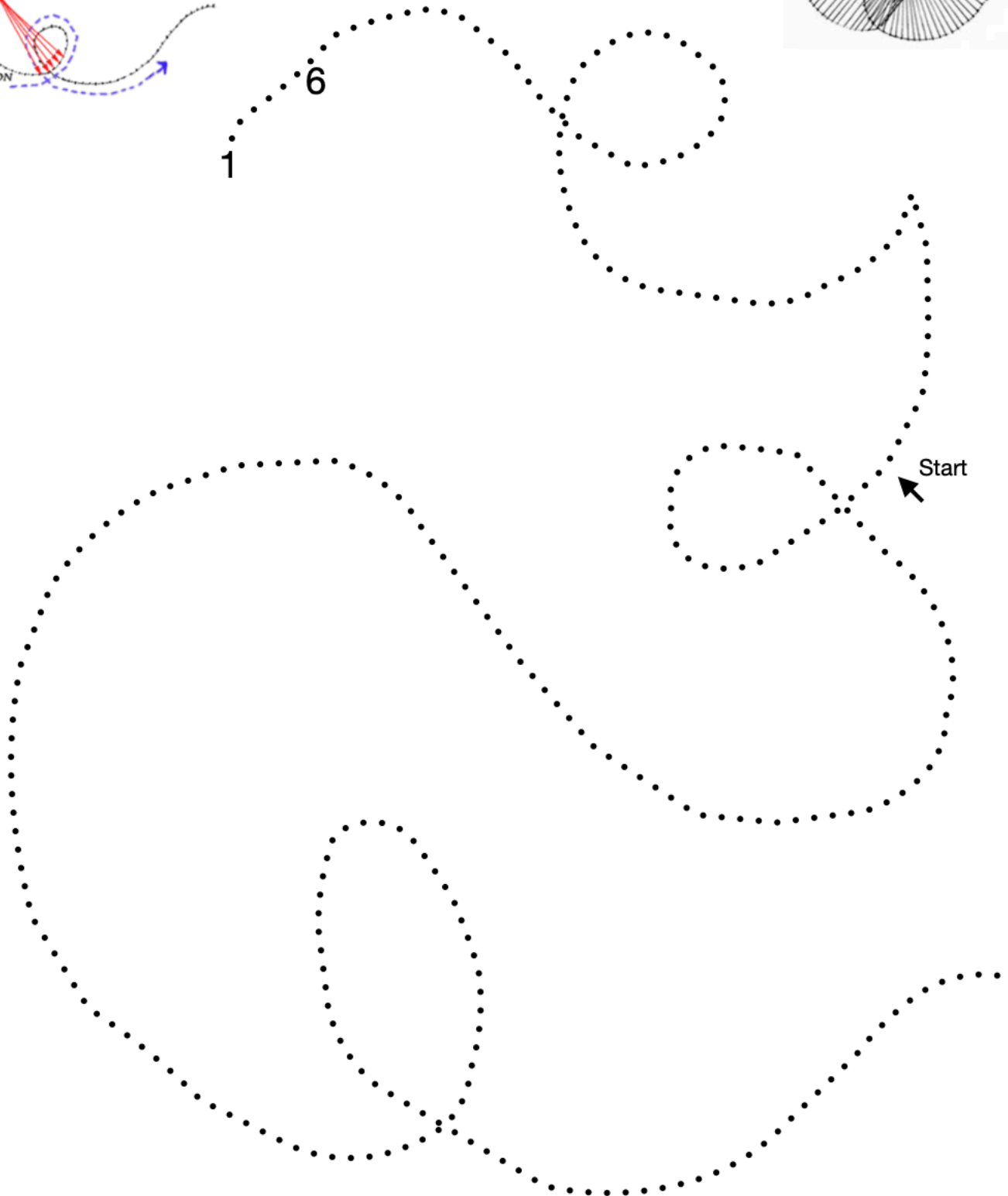
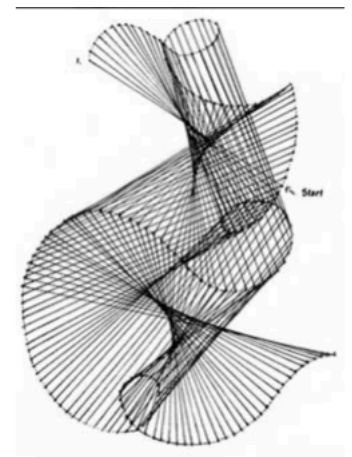
- | | | | |
|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| ___ Draw a line from 1 to 41. | ___ Draw a line from 2 to 43. | ___ Draw a line from 56 to 71. | ___ Draw a line from 57 to 73. |
| ___ Draw a line from 3 to 45. | ___ Draw a line from 4 to 47. | ___ Draw a line from 58 to 75. | ___ Draw a line from 59 to 77. |
| ___ Draw a line from 5 to 49. | ___ Draw a line from 6 to 51. | ___ Draw a line from 60 to 79. | ___ Draw a line from 61 to 1. |
| ___ Draw a line from 7 to 53. | ___ Draw a line from 8 to 55. | ___ Draw a line from 62 to 3. | ___ Draw a line from 63 to 5. |
| ___ Draw a line from 9 to 57. | ___ Draw a line from 10 to 59. | ___ Draw a line from 64 to 7. | ___ Draw a line from 65 to 9. |
| ___ Draw a line from 11 to 61. | ___ Draw a line from 12 to 63. | ___ Draw a line from 66 to 11. | ___ Draw a line from 67 to 13. |
| ___ Draw a line from 13 to 65. | ___ Draw a line from 14 to 67. | ___ Draw a line from 68 to 14. | ___ Draw a line from 69 to 15. |
| ___ Draw a line from 15 to 68. | ___ Draw a line from 17 to 69. | ___ Draw a line from 71 to 16. | ___ Draw a line from 73 to 17. |
| ___ Draw a line from 19 to 70. | ___ Draw a line from 21 to 71. | ___ Draw a line from 75 to 18. | ___ Draw a line from 77 to 19. |
| ___ Draw a line from 23 to 72. | ___ Draw a line from 25 to 73. | ___ Draw a line from 79 to 20. | ___ Draw a line from 1 to 21. |
| ___ Draw a line from 27 to 74. | ___ Draw a line from 29 to 75. | ___ Draw a line from 3 to 22. | ___ Draw a line from 5 to 23. |
| ___ Draw a line from 31 to 76. | ___ Draw a line from 33 to 77. | ___ Draw a line from 7 to 24. | ___ Draw a line from 9 to 25. |
| ___ Draw a line from 35 to 78. | ___ Draw a line from 37 to 79. | ___ Draw a line from 11 to 26. | ___ Draw a line from 13 to 27. |
| ___ Draw a line from 39 to 80. | ___ Draw a line from 41 to 55. | ___ Draw a line from 14 to 28. | ___ Draw a line from 15 to 29. |
| ___ Draw a line from 42 to 56. | ___ Draw a line from 43 to 57. | ___ Draw a line from 16 to 30. | ___ Draw a line from 17 to 31. |
| ___ Draw a line from 44 to 58. | ___ Draw a line from 45 to 59. | ___ Draw a line from 18 to 32. | ___ Draw a line from 19 to 33. |
| ___ Draw a line from 46 to 60. | ___ Draw a line from 47 to 61. | ___ Draw a line from 20 to 34. | ___ Draw a line from 21 to 35. |
| ___ Draw a line from 48 to 62. | ___ Draw a line from 49 to 63. | ___ Draw a line from 22 to 36. | ___ Draw a line from 23 to 37. |
| ___ Draw a line from 50 to 64. | ___ Draw a line from 51 to 65. | ___ Draw a line from 24 to 38. | ___ Draw a line from 25 to 39. |
| ___ Draw a line from 52 to 66. | ___ Draw a line from 53 to 67. | ___ Draw a line from 26 to 40. | ___ Draw a line from 27 to 41. |
| ___ Draw a line from 54 to 68. | ___ Draw a line from 55 to 69. | | |

Mystery Parabolic Design Template

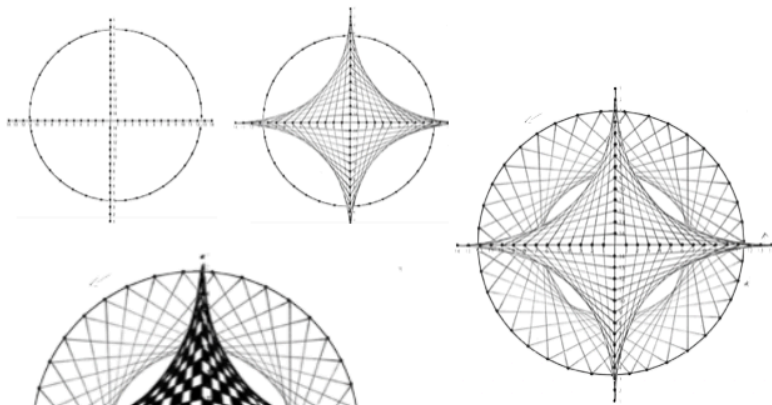




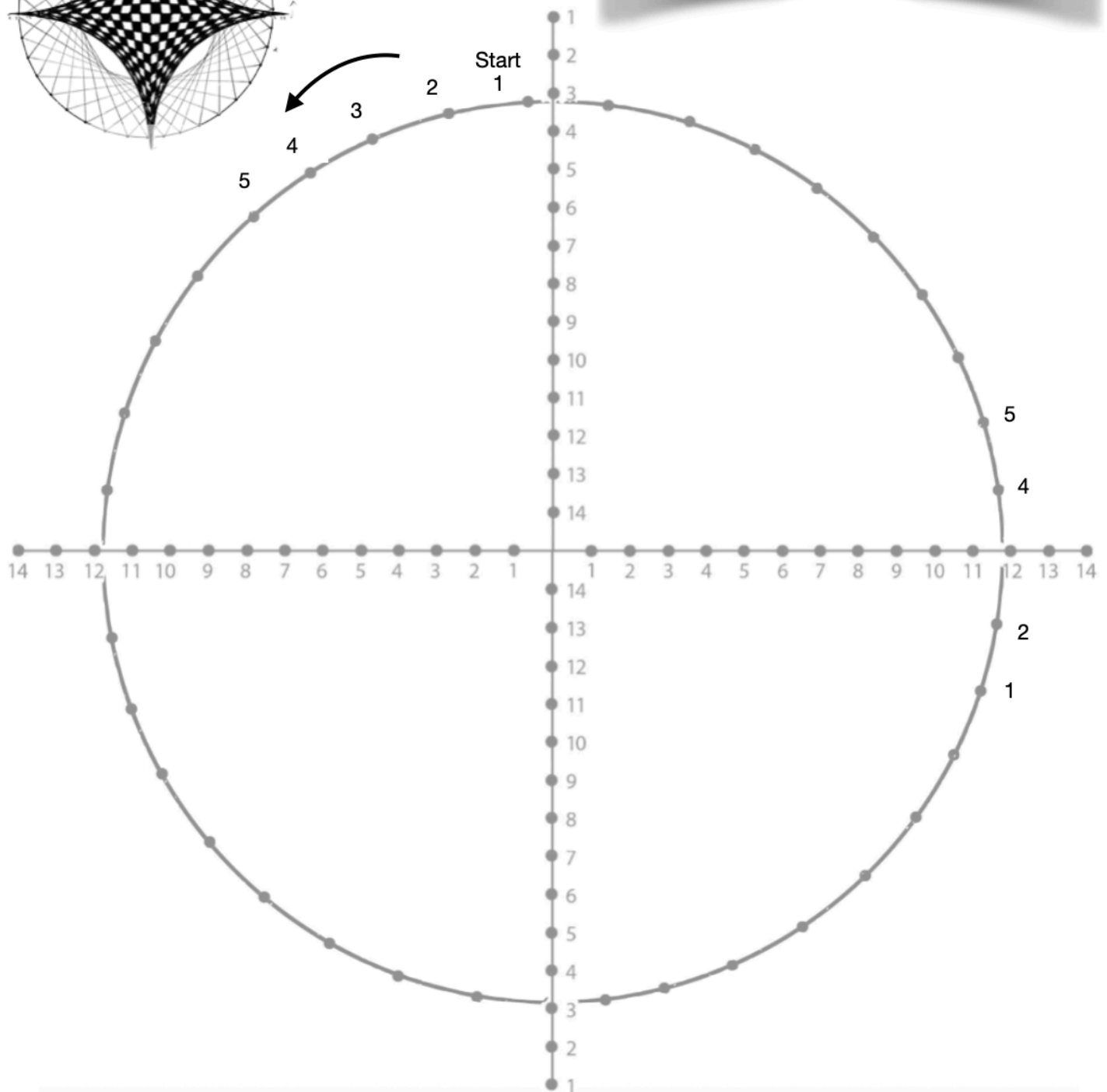
Drawing a complex parabolic curve design



Overlapping parabolic curve designs

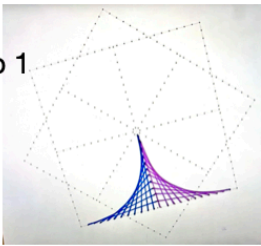


Directions: To overlap a design **A)** Draw the template of both of them (circle and diamond). **B)** Connect the lines and complete the diamond design (design that will be in the front). **C)** After completing the diamond design in front, line up your ruler with the dots on the circle design and draw the lines until it touches the diamond design on each side but do not draw lines through it. This way the diamond will overlap and appear to be in front of the circle design.

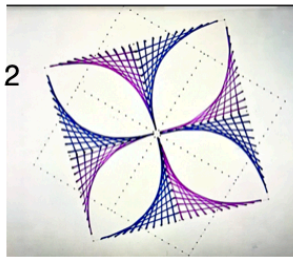


DIRECTIONS: Using your ruler, create this parabolic curve design. When you are done with the lines, create a checkerboard patten. To get full points the lines need to be straight, and the design neatly. Fill in with checkerboard pattern. **Connect 1 to 1, 2 to 2, 3 to 3, and on. I have started you off but for the last outside areas (step 3) you will need to write in the numbers yourself.**

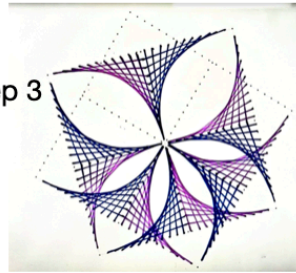
Step 1



Step 2



Step 3



Step 4

