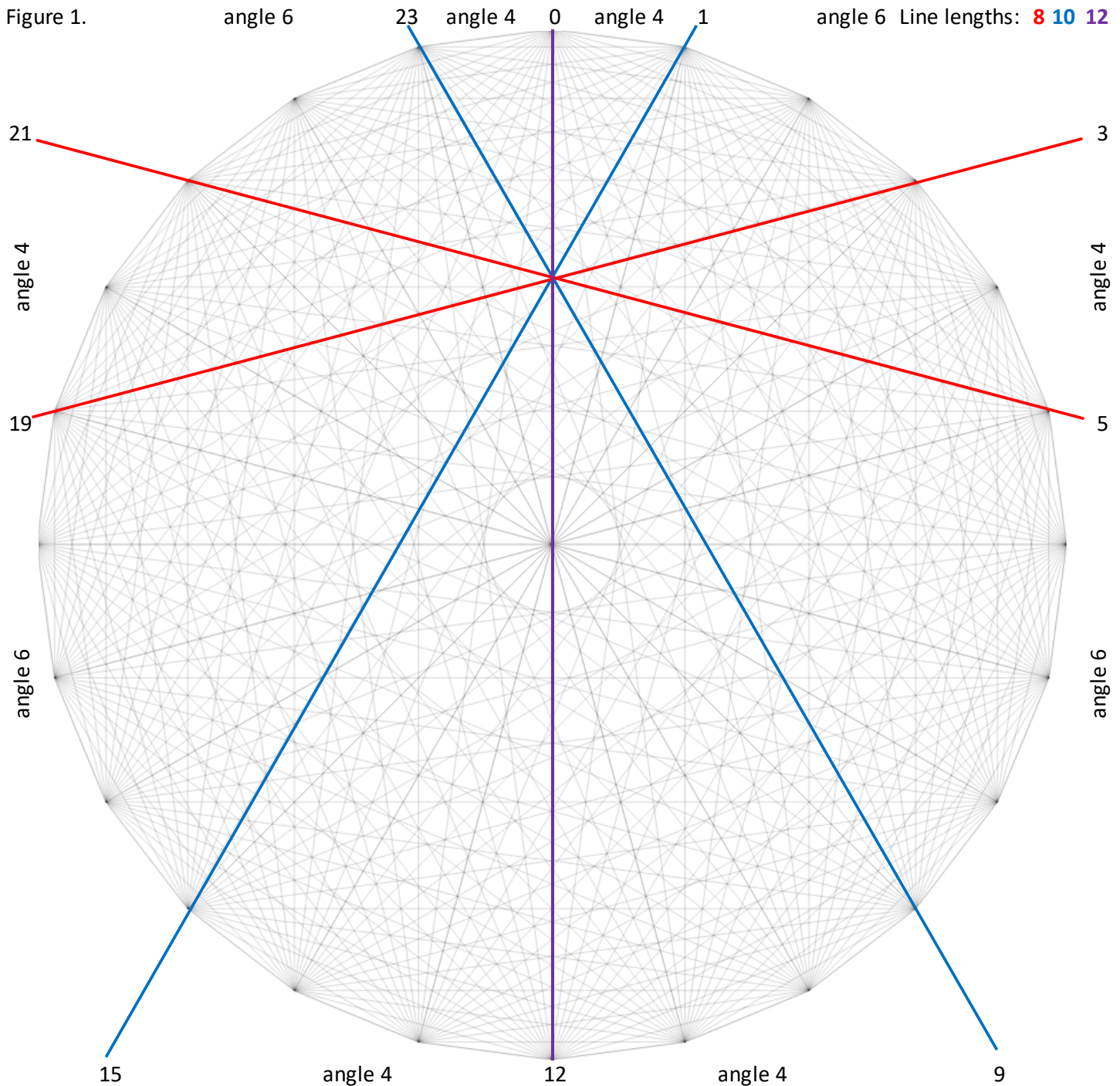


The right portion of the table shows $n = 24$. Interestingly, even though n is larger, there is only one 5 lines point of concurrence (per wedge, or 24 total) and it is 0.518 from the center (just like Section 7.2, images 3 and 7). The $23 \cdot 24 / 2 = 276$ line $n = 24$ Figure 1 focuses on the vertex 0 5 lines point of concurrence. It has a total of 7,297 total intersections (according to Table 7 of Poonen and Rubinstein). Five lines are overlaid on the image, two of length 8, two of length 10 and the vertical diameter of length 12. Vertices where the lines end and angles created by these concurrent lines are noted around the edge. If you follow each line you will see that each a part of TWO 5 lines points of concurrence. The red lines are also part of the vertex 2 and $22 = n-2$ 5 lines point of concurrence. The blue lines are also part of the vertex 8 and $16 = n-8$ 5 lines point of concurrence. The purple vertical diameter is on the vertex 12 5 lines point of concurrence.



The 6 triples created by the general strategy for creating triangles images noted above produce only 4 distinct images because $A = C$ so that 1 and 4 have the same angle triples as do 2 and 6. Unlike when this happened with the $n = 18$ rank 6 image that was the focus of the start of the previous section (and the 0.532 rank 6 point in the middle part of the table in this section), all three lines are even (8, 10 and 12) and all angles are even (since A, B, and C are even) hence all

concurrent images at this distance must be VT. These four images are shown as Figure 2A-2D. Each image highlights the concurrence at 0.518 from the center via dots. Figures 2C and 2D are self-explanatory so we now focus on 2A and 2B.

Although table rows 1 and 4 produce a result of 4,6,14 VT shown in 2A, they differ in the lines used to attain these angles. The two points noted in **blue** use all three line sizes as prescribed by 1, but the two noted in **red** use two small and one medium line size as prescribed by 4.

Table rows 2 and 6 produce 4,10,10 VT shown in 2B. The two **red** points are part of diameter concurrence with two small and one large lines as prescribed by 6 (in 6, angle 4 = C is created using the two small lines (S,C,S ...) so the diameter line helps create the base angles of the isosceles image). By contrast, the four **blue** points use all three line sizes as prescribed by 2 (in 2, angle 4 = A is created using the large and medium lines (L,A,M ...) so the diameter line helps create the apex angle). In the context of Table 2 section 7.3, the **red** are 2 of the 9 C D points and the 4 **blue** are the 2Sp points.

