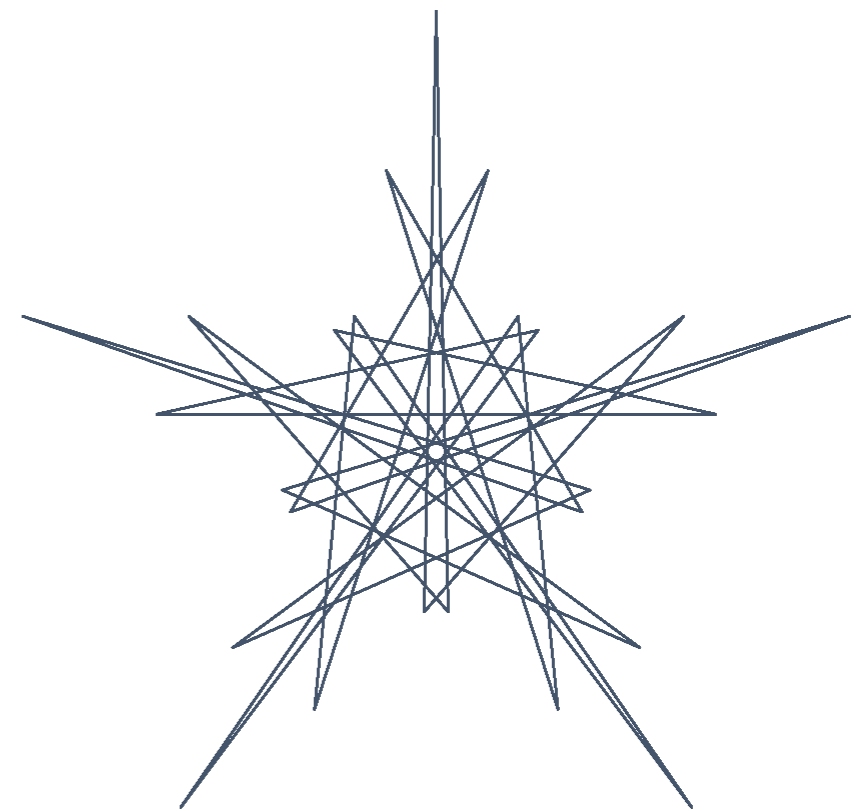
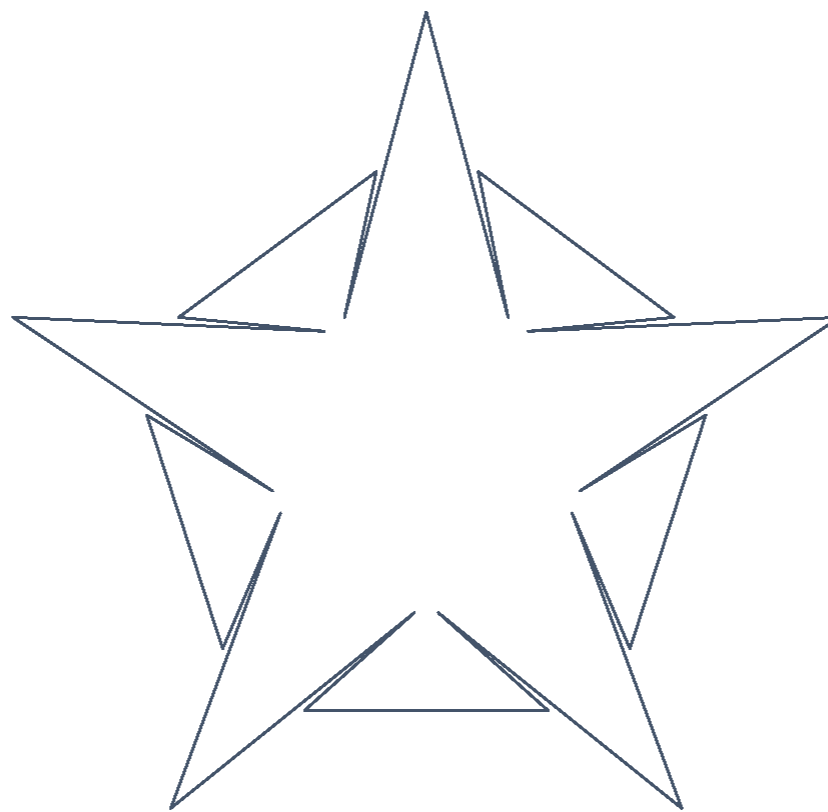
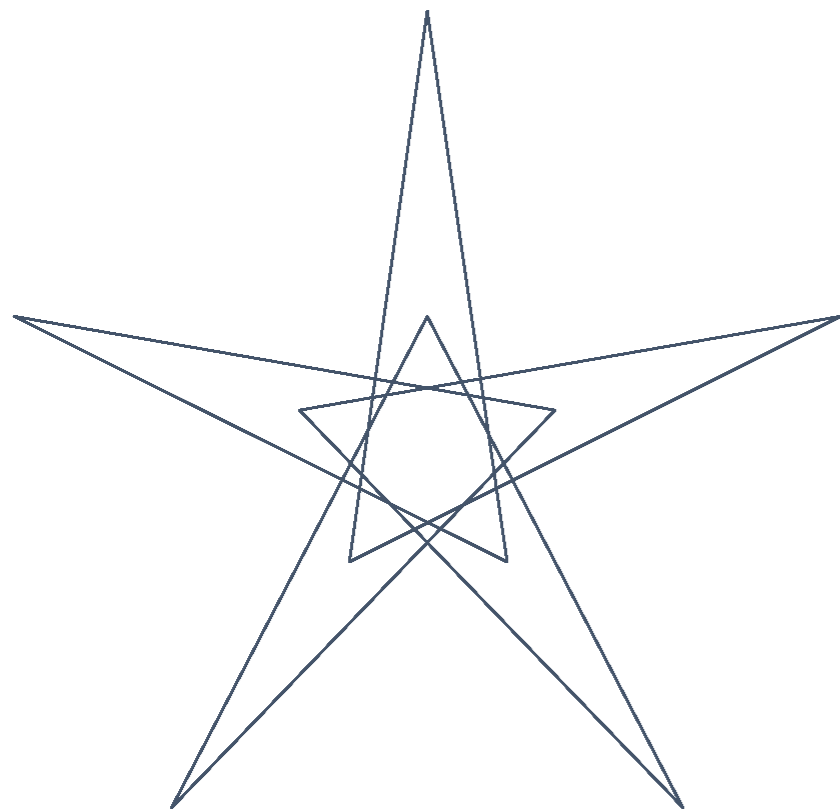
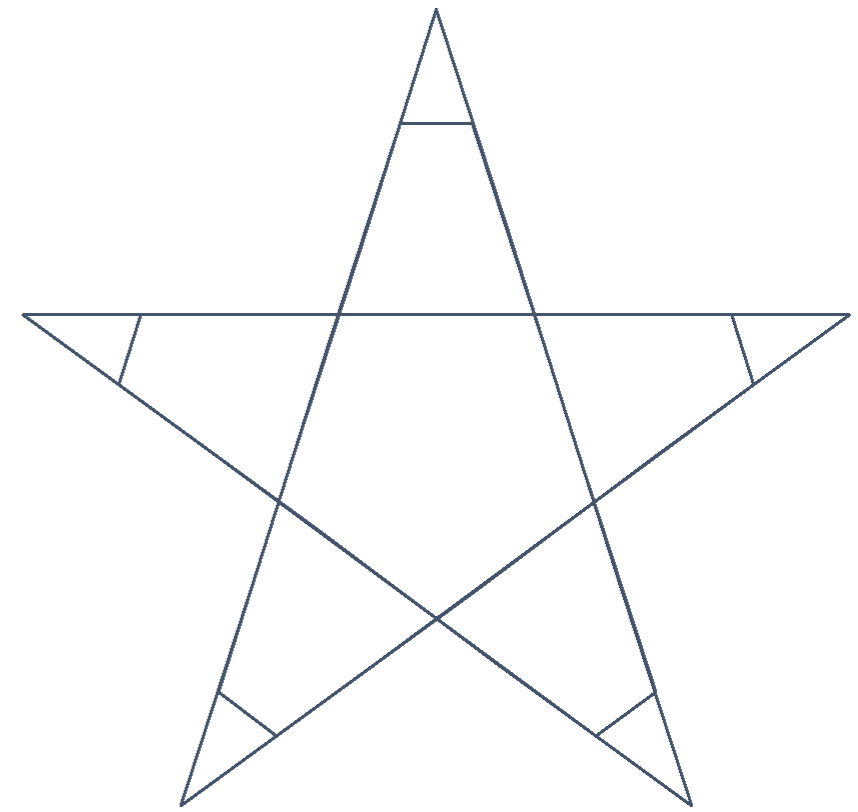
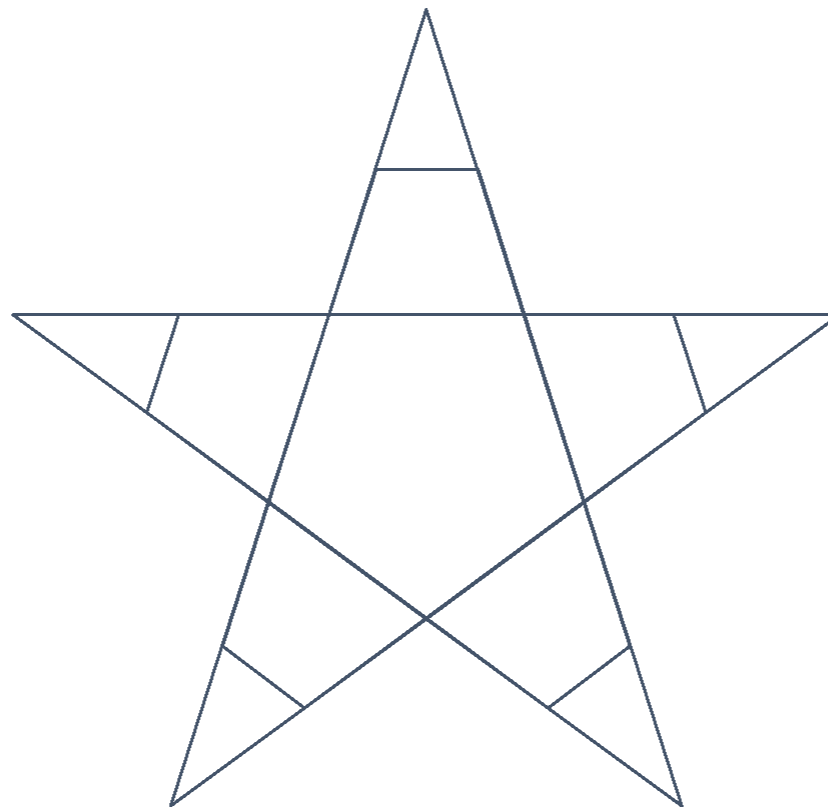
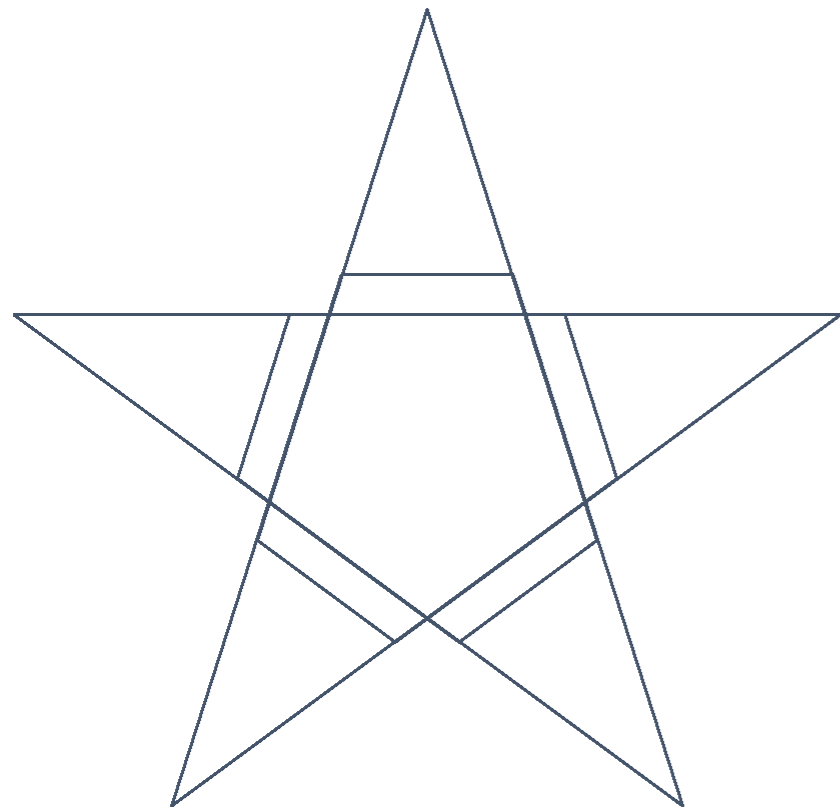
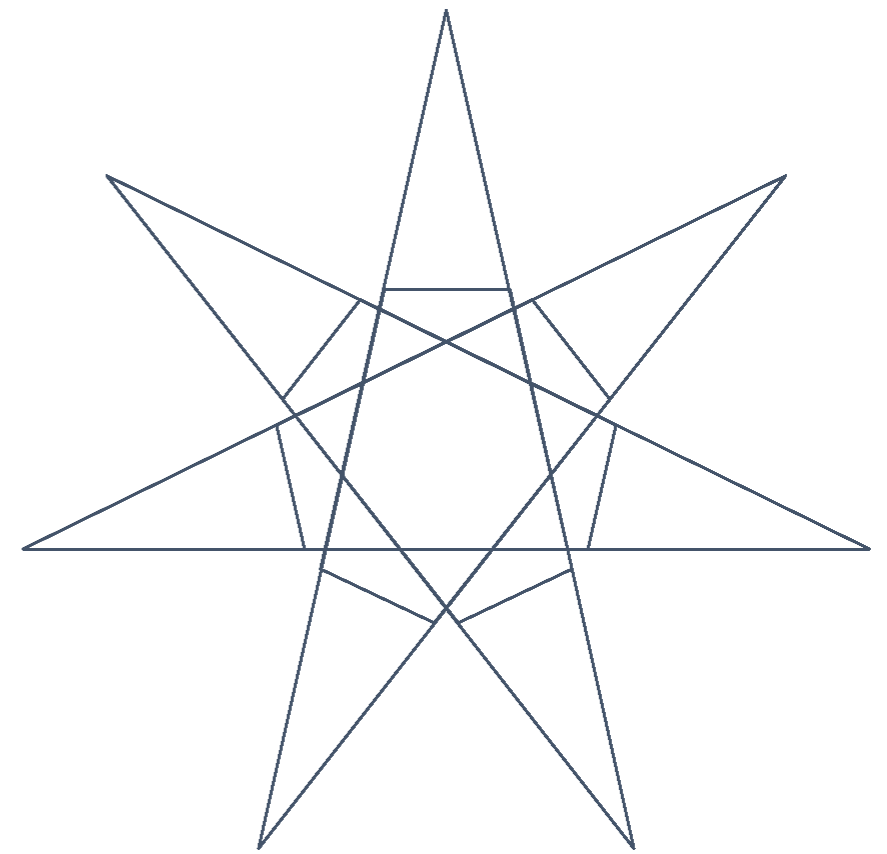
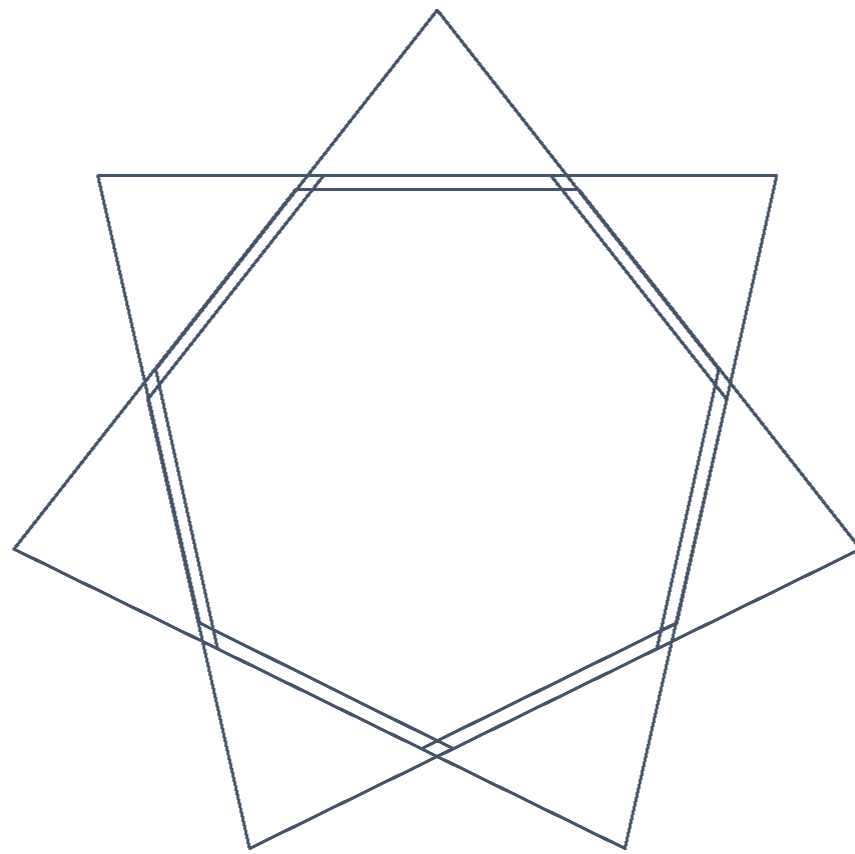
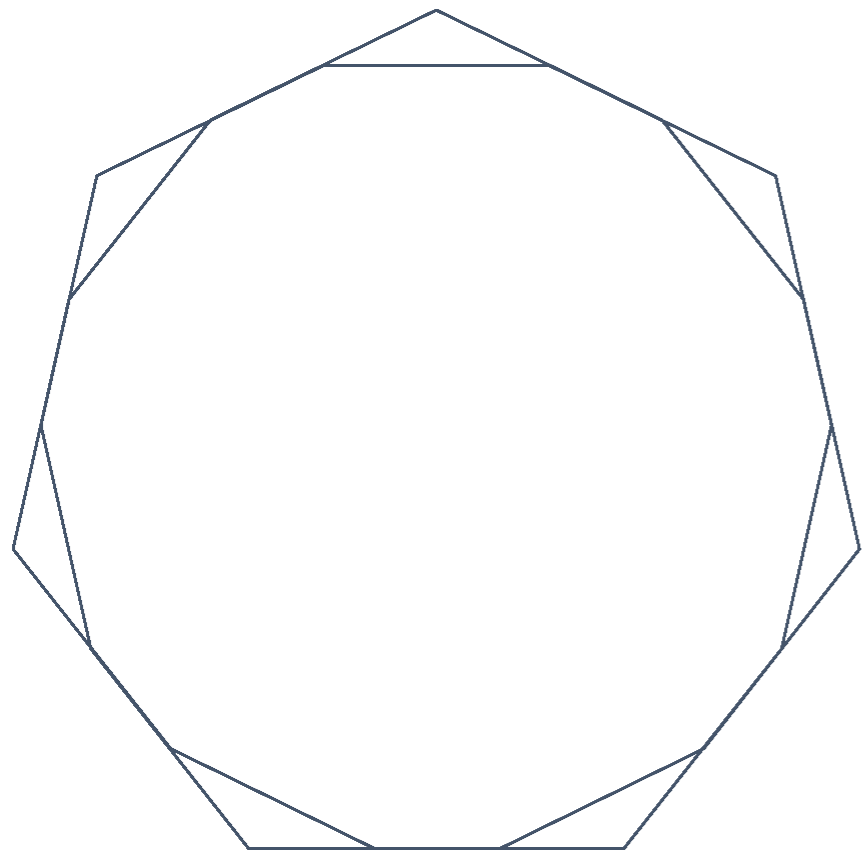


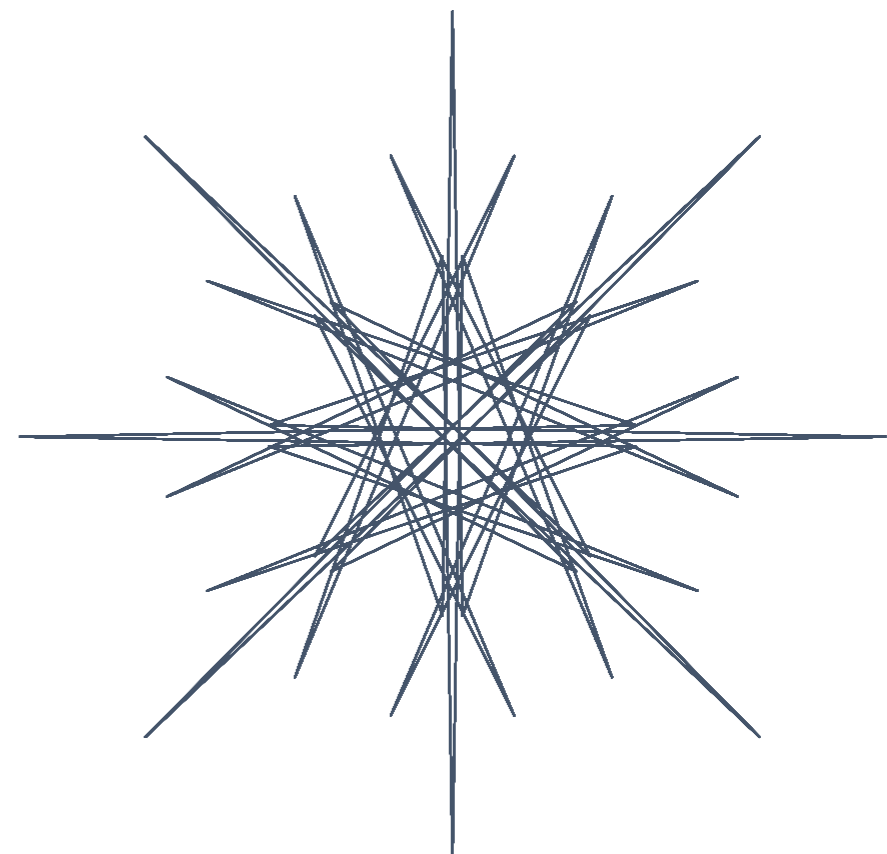
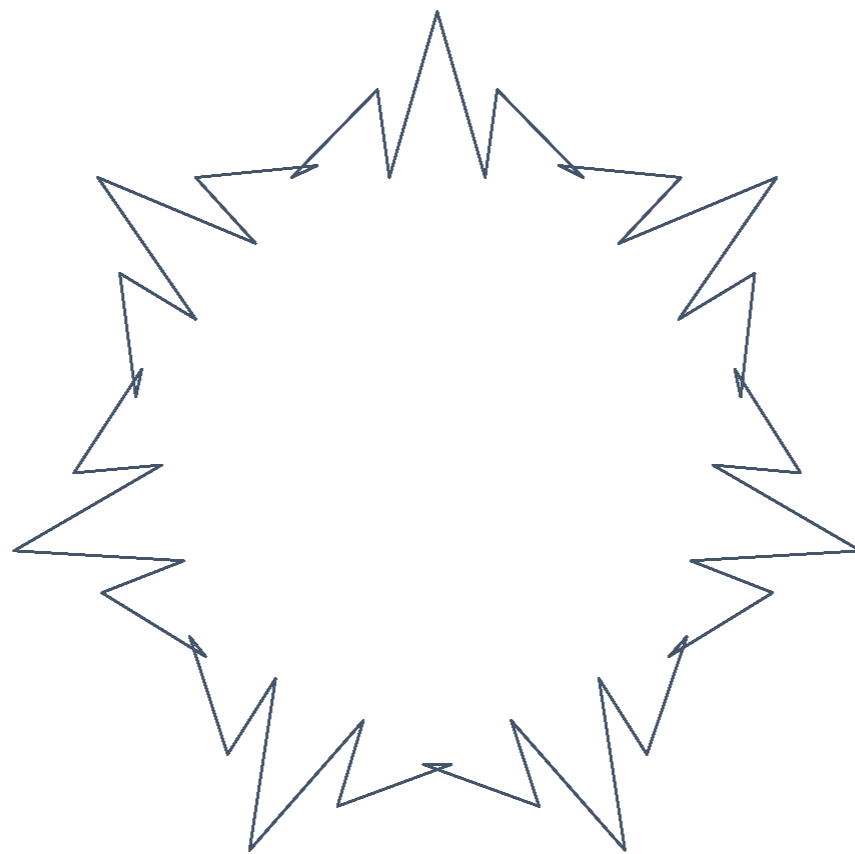
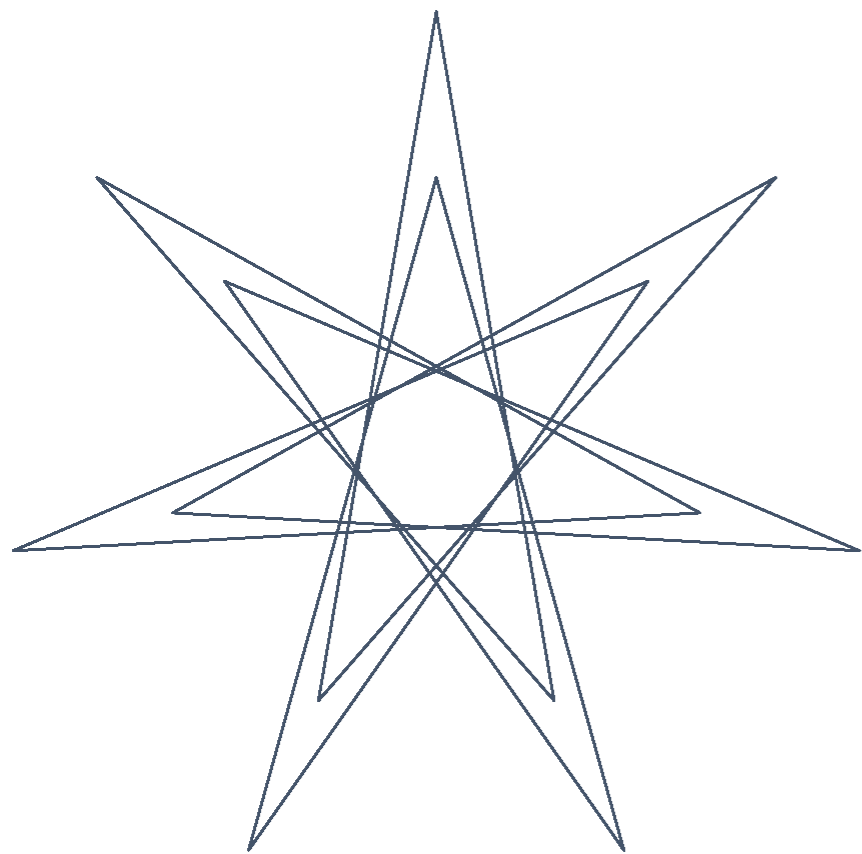
Challenge Questions using the **Points** sheet: 1. Find values of S , P , J , and n that produce each of these images.



Page 2: The top three images can be created by changing just one parameter. Which one and what are S , P , J and n in each image?



The bottom three images are similar to the bottom 3 on Page 1. Can you figure out how they are similar to one another? Provide S , P , J and n for each image



3. Read the *Odd Needle Stars* piece. The end of that piece provides a couple of questions.

Can you find examples of even pointed needle stars? If so, can you determine rules such as those in the *Odd Needle Stars* piece that produce even point stars?