Papercut Patterns

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Created: January 1, 2011

Last updated: January 5, 2011

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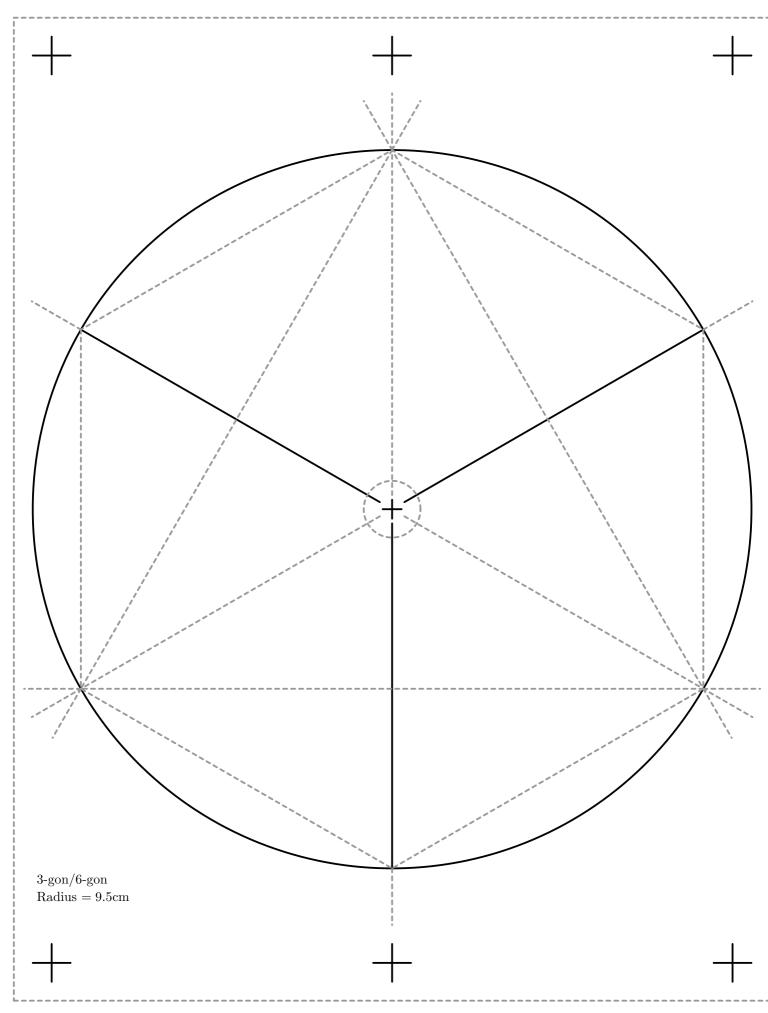
Papercut Patterns

The technical drawings in this document can be used for creating papercut or works of art of a similar nature. They are meant for patterns with multiple lines of symmetry, such as papercuts made by folding and cutting patterns into two or more layers of the paper.

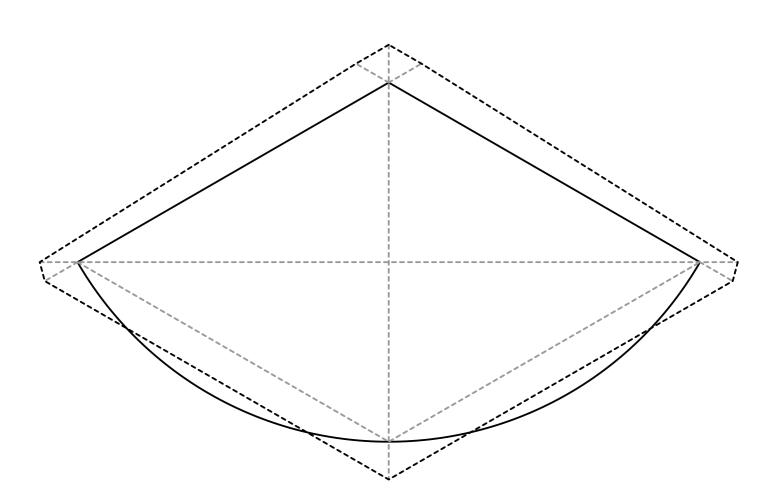
Half of the drawings contain a circle divided into sections by two polygons, p_1 and p_2 , where p_2 has twice as many sides as p_1 . Put another way, the lines of p_2 divide each triangular section of p_1 into halves.

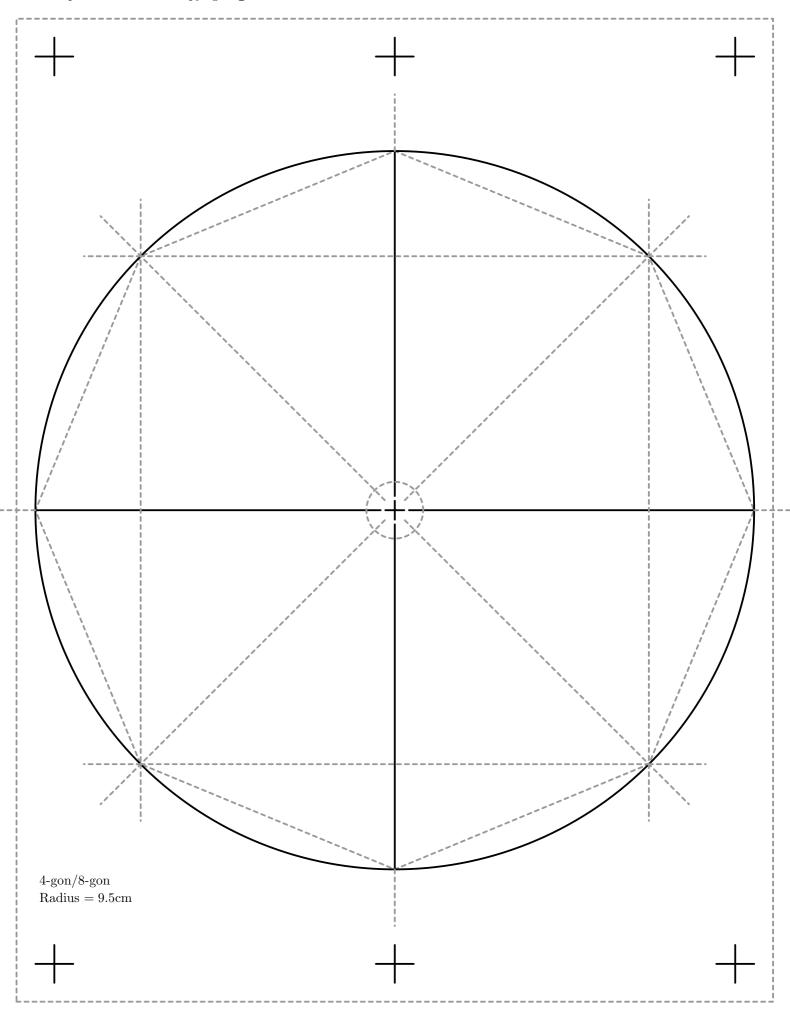
The other half of the drawings contains one or more separate sections from the "polygon-circle" on the previous page. These sections can be used for creating patterns, which can then be transferred to the drawing with the entire "polygon-circle". The dashed grey lines can be used for aligning them with the corresponding lines on the drawing of the polygon-circle.

More than one section can fit on a single page, but it requires some fiddling to get this right. As of this date (January 5, 2011), the author has only done this for the 5-gon/10-gon, 7-gon/14-gon and 9-gon/18-gon sections.

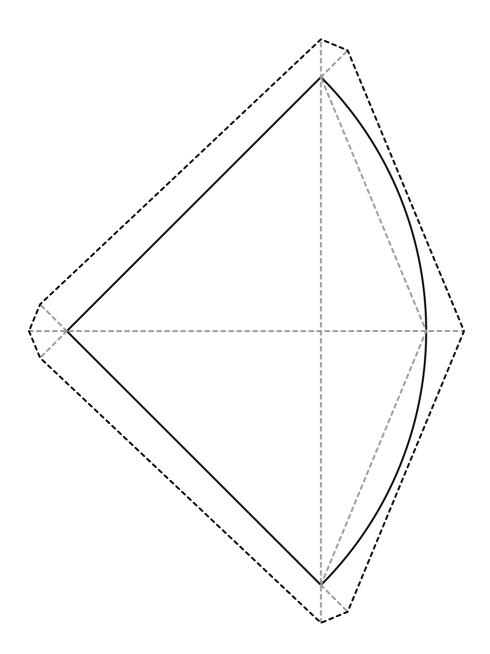


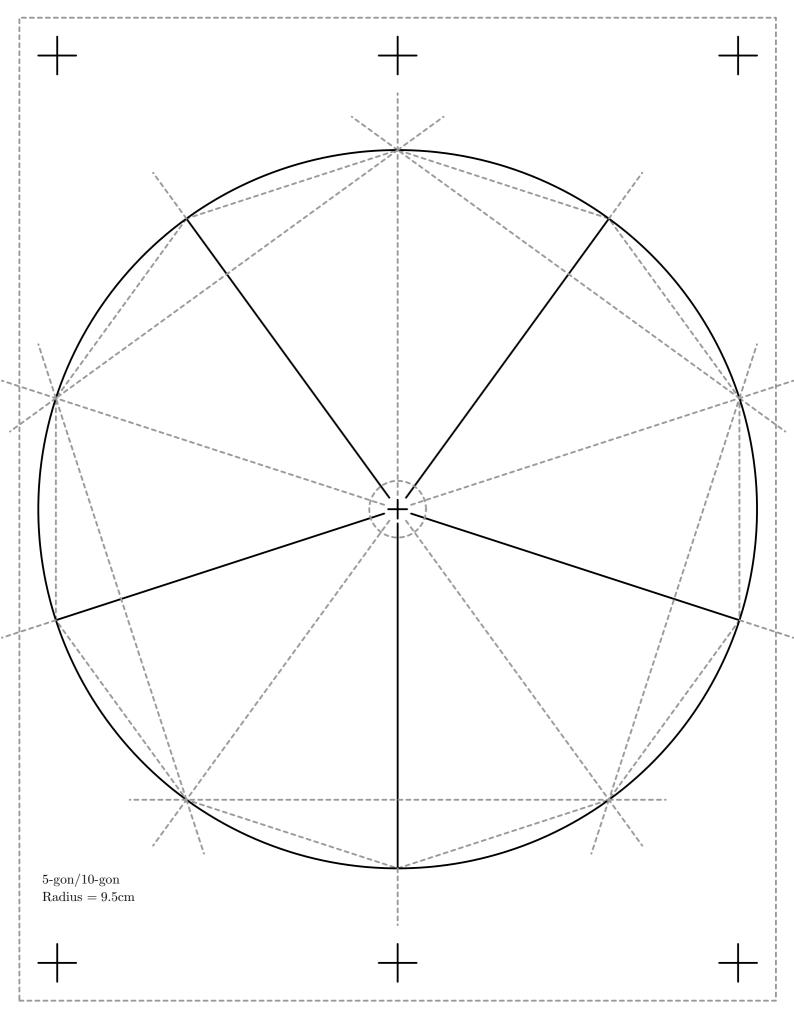
Section 3-gon/6-gon



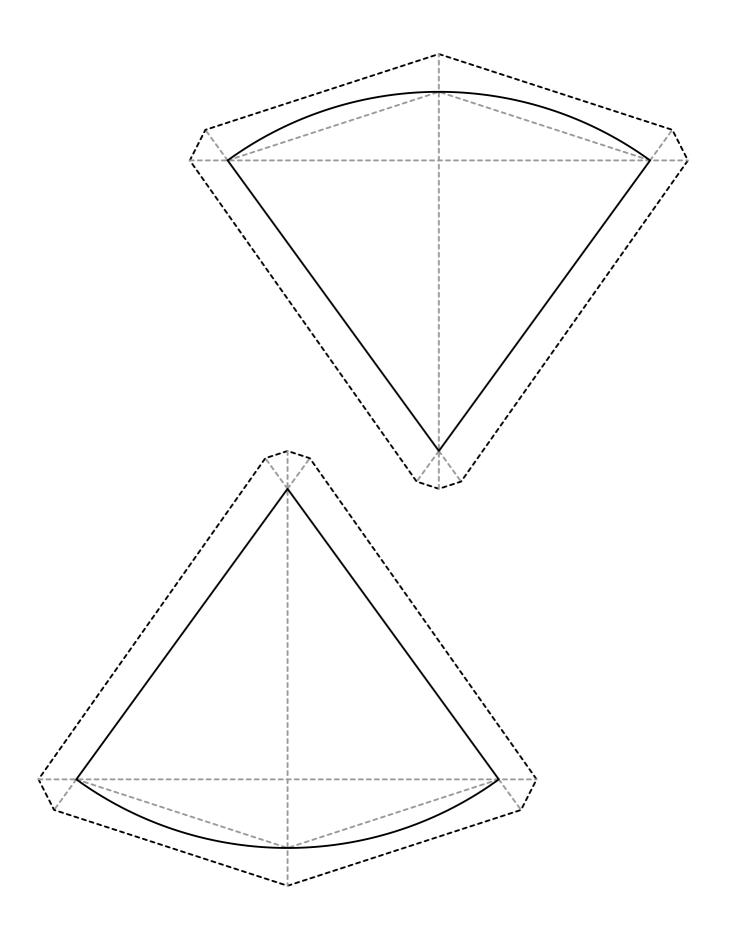


Section 4-gon/8-gon

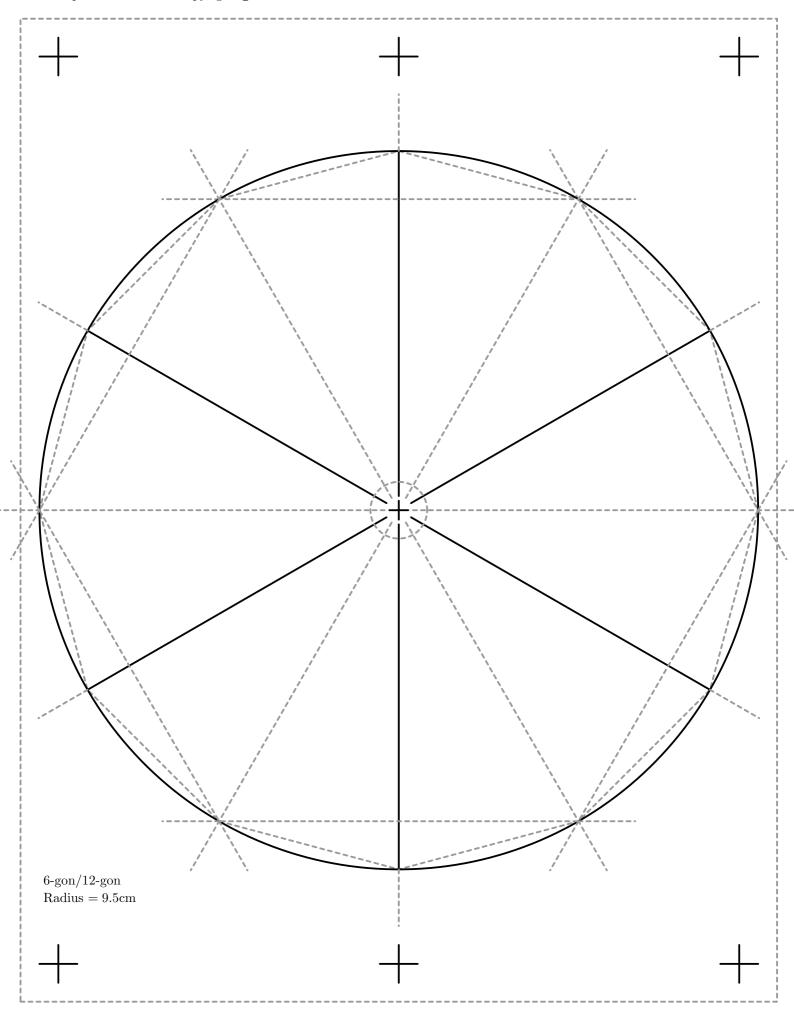




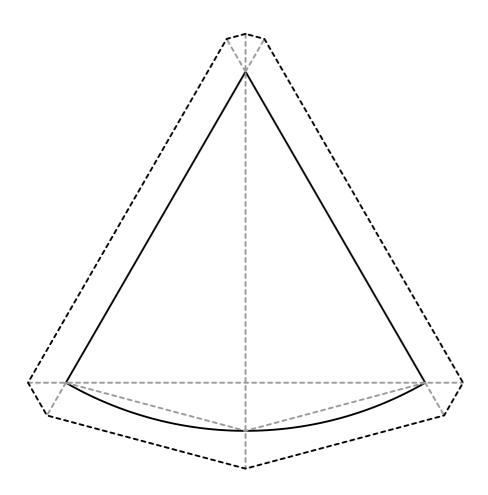
Section 5-gon/10-gon

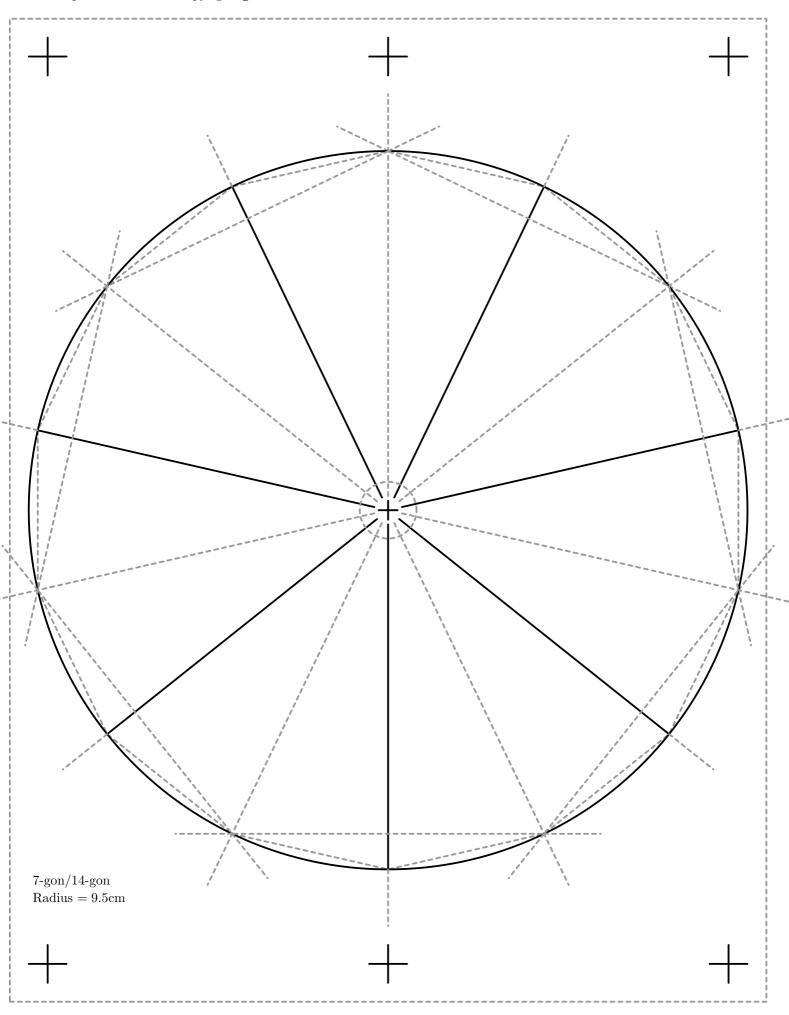




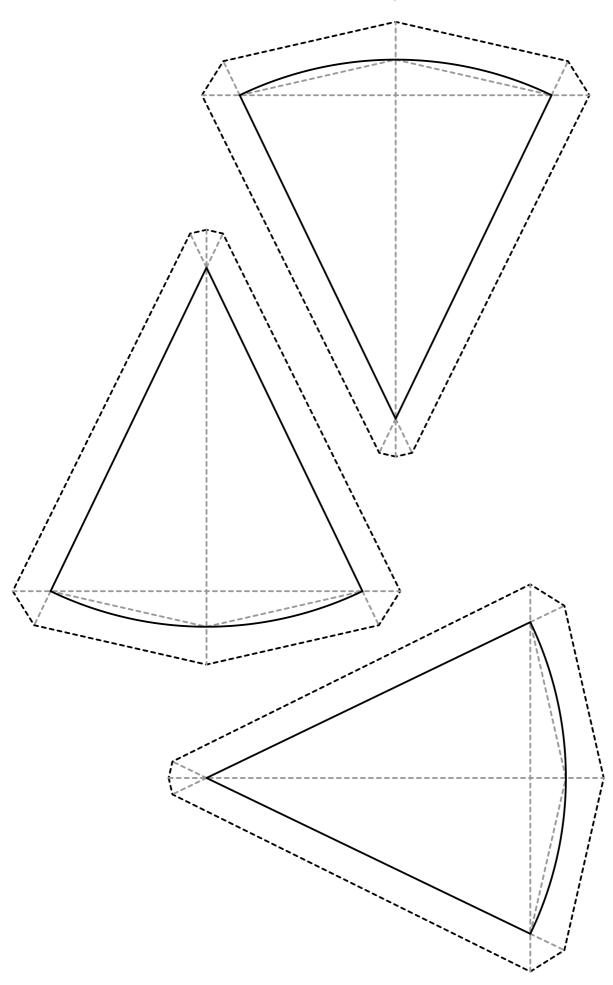


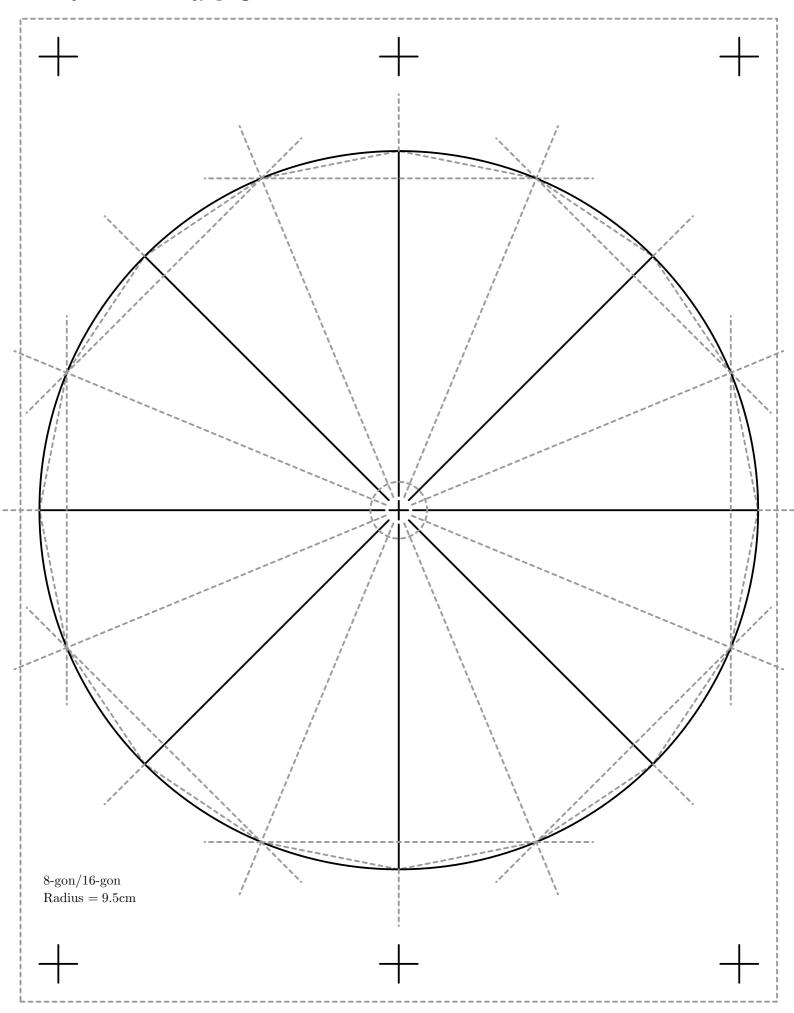
Section 6-gon/12-gon



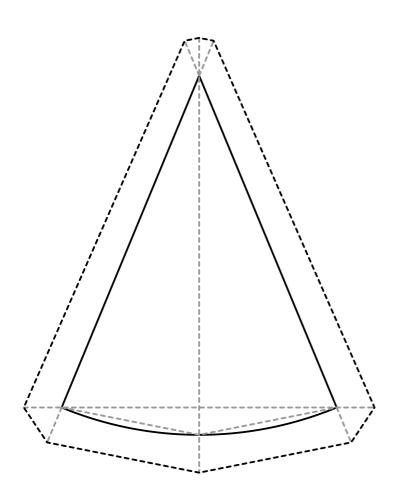


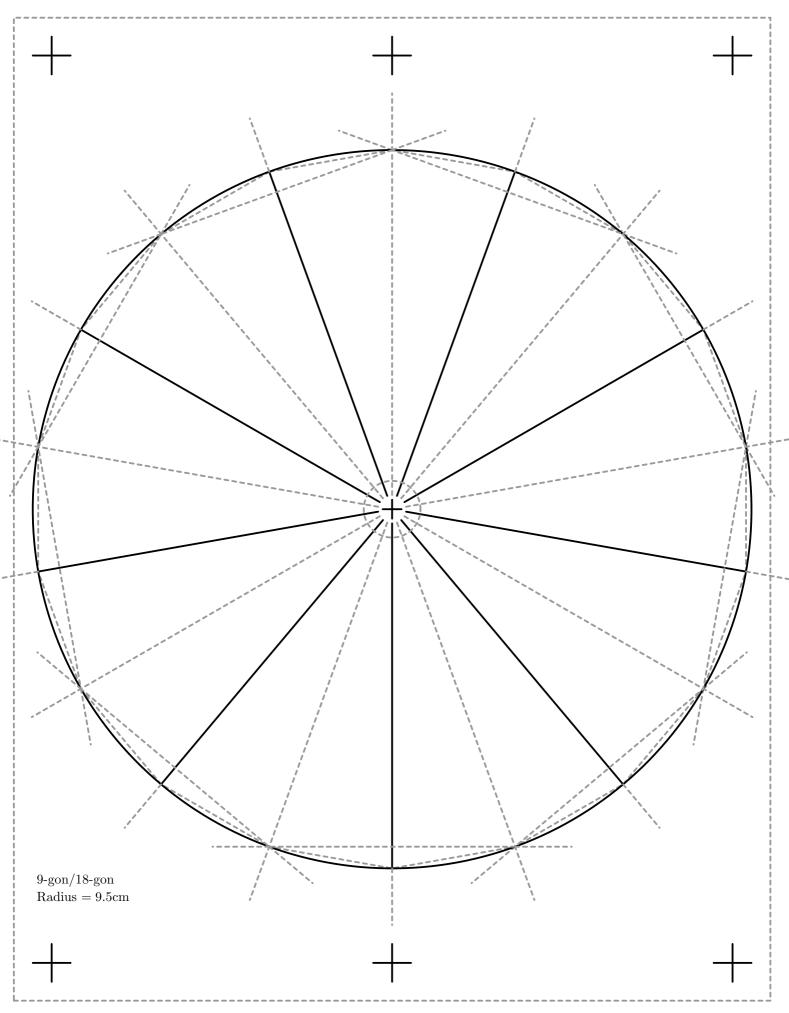
Section 7-gon/14-gon



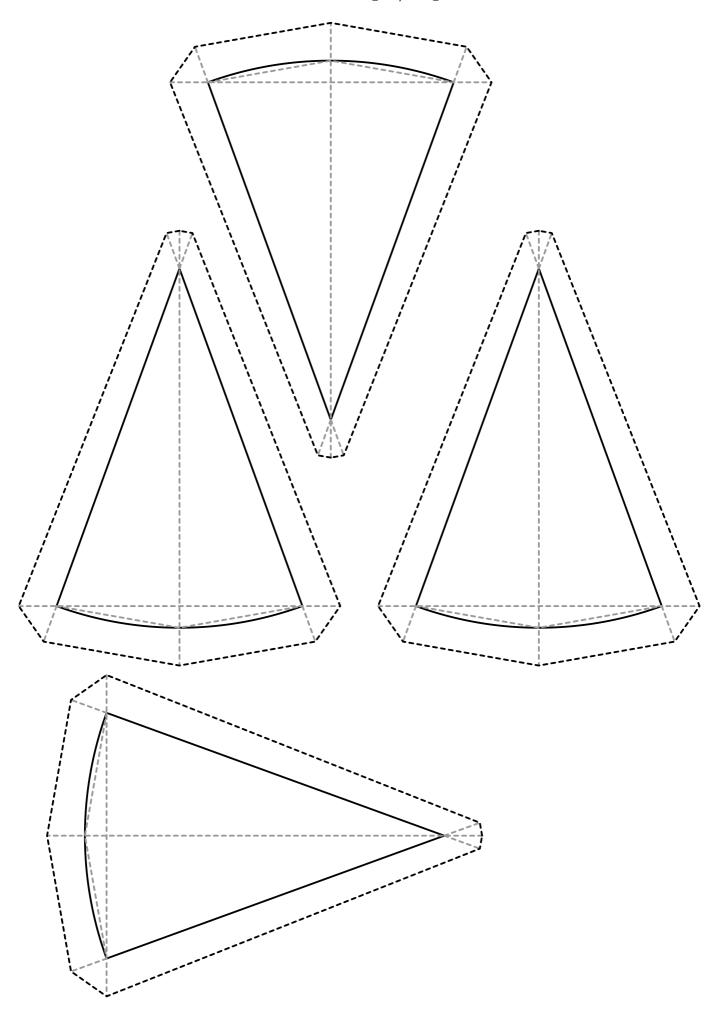


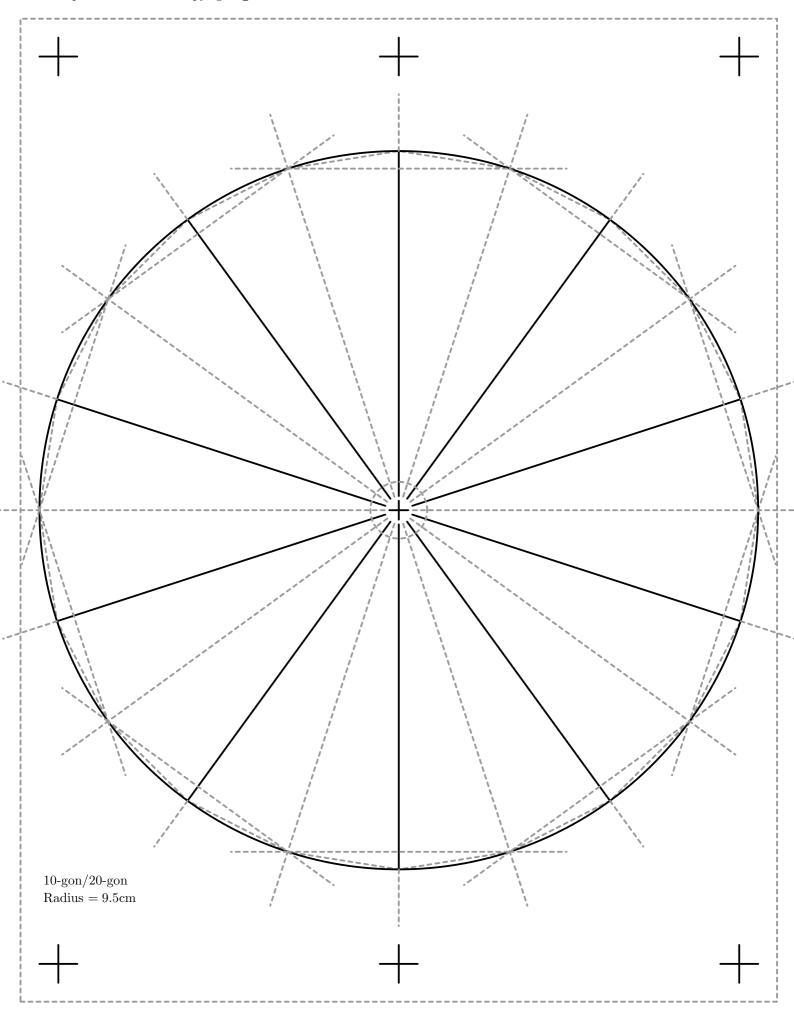
Section 8-gon/16-gon



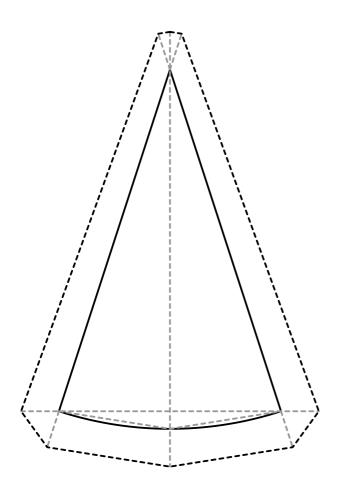


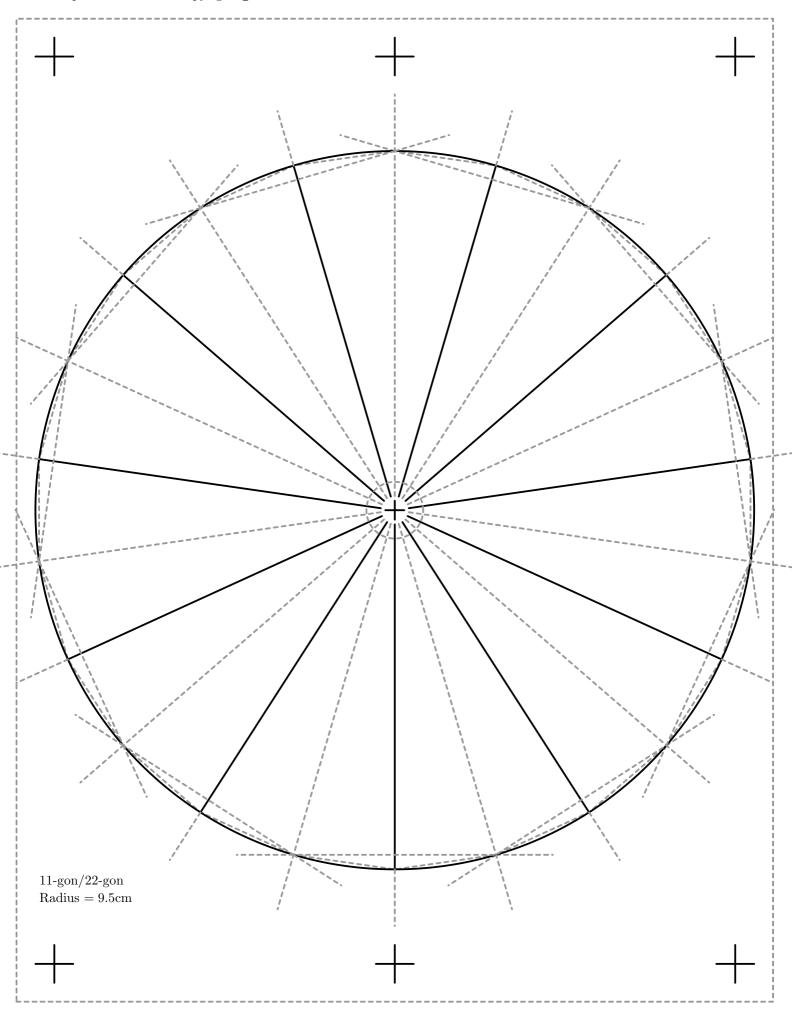
Section 9-gon/18-gon



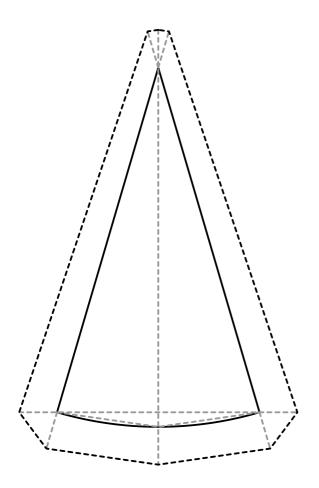


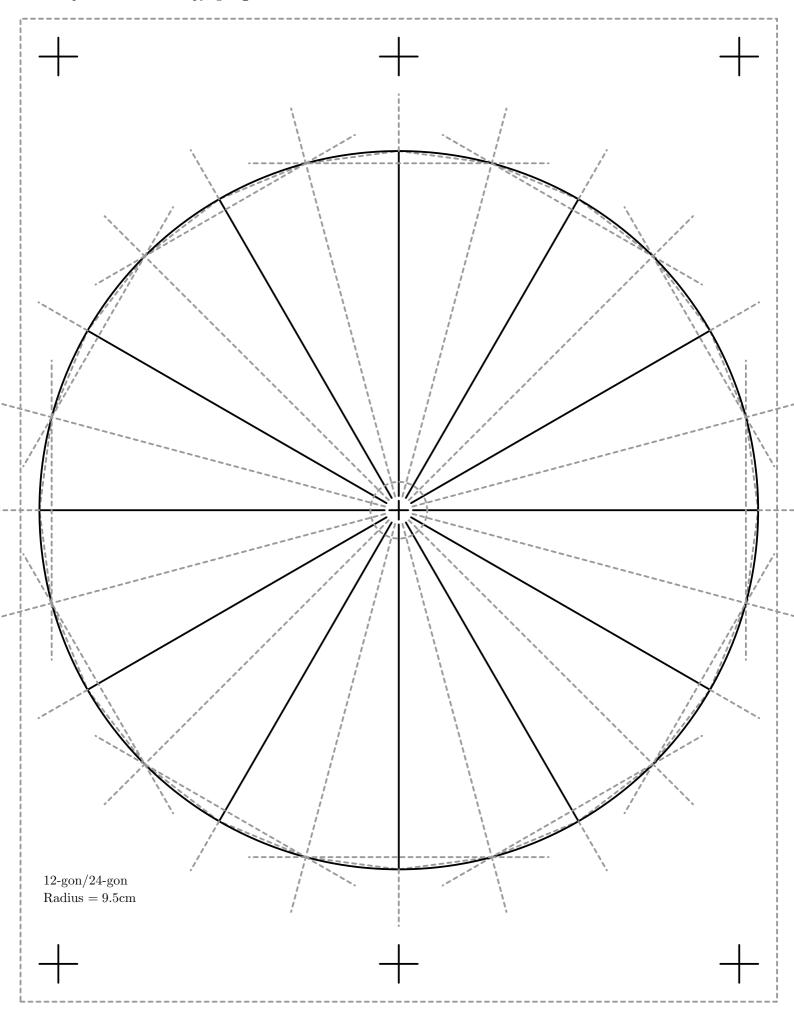
Section 10-gon/20-gon



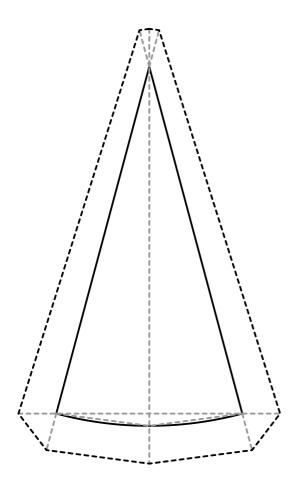


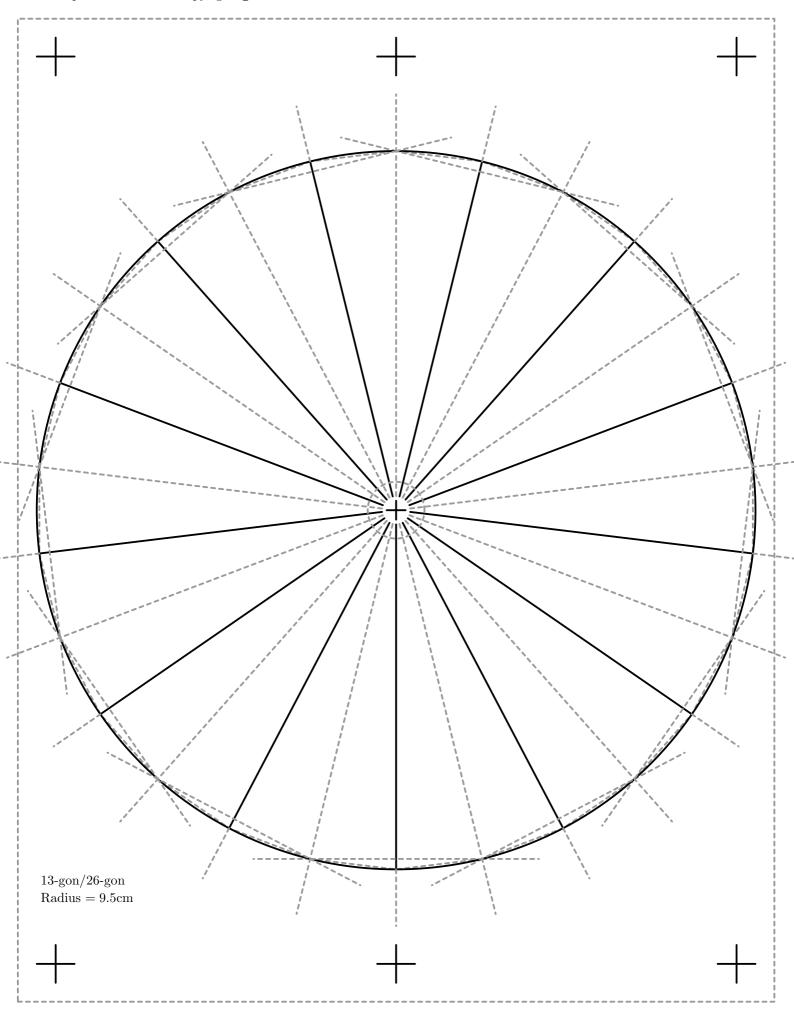
Section 11-gon/22-gon



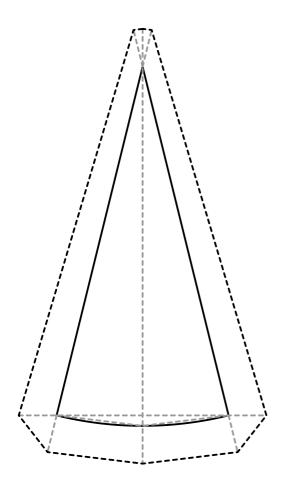


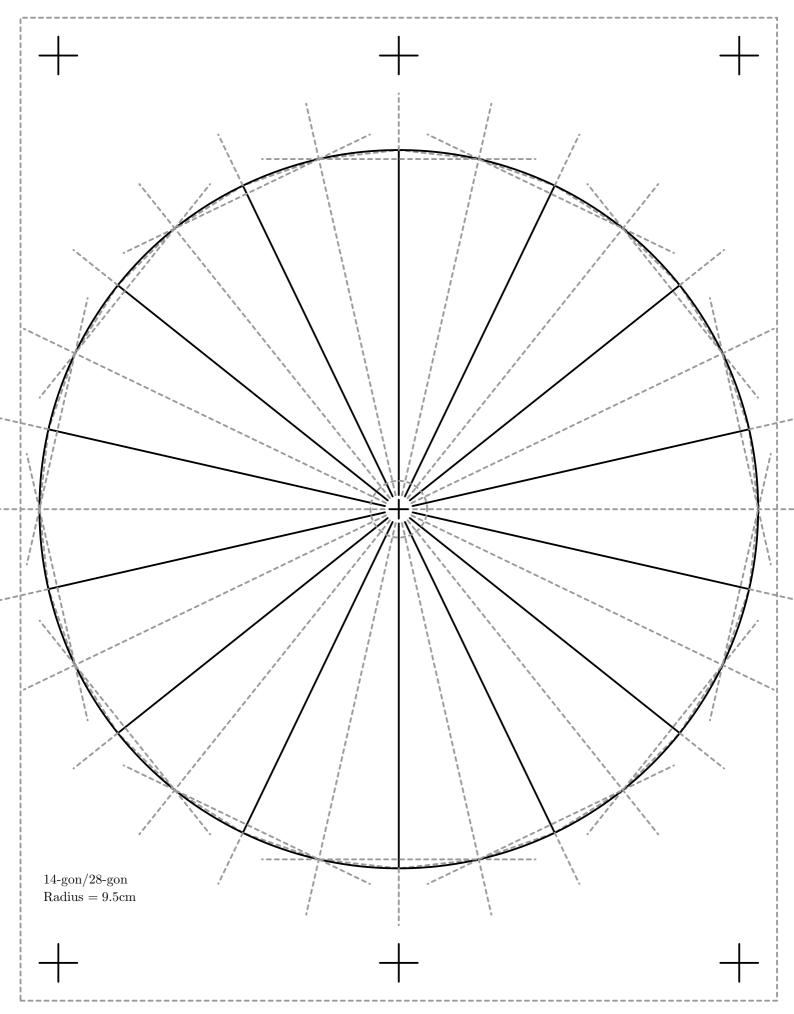
Section 12-gon/24-gon



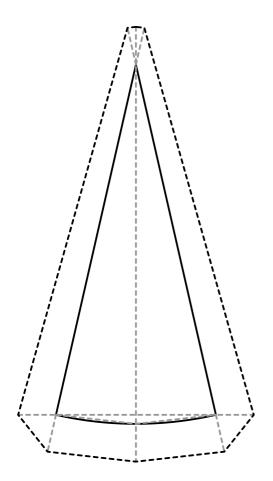


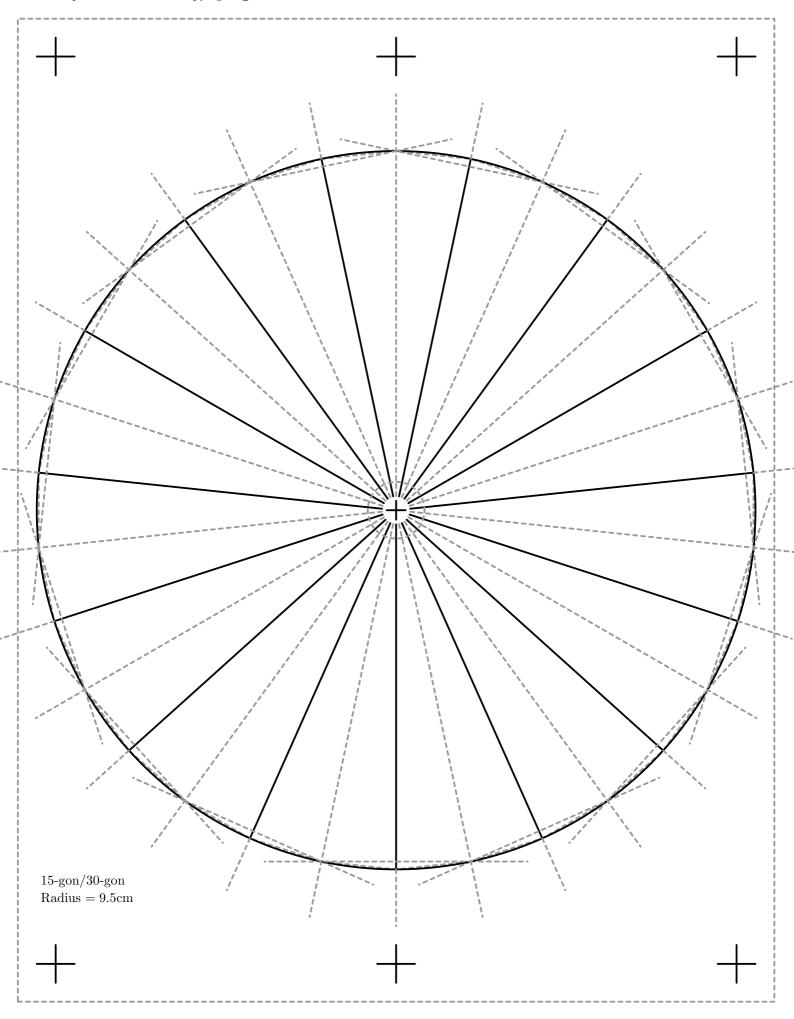
Section 13-gon/26-gon



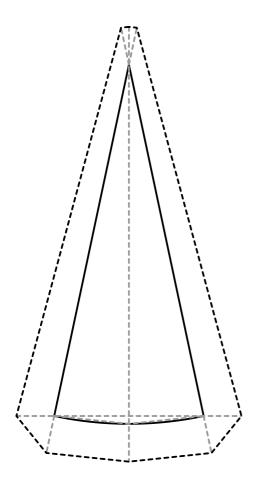


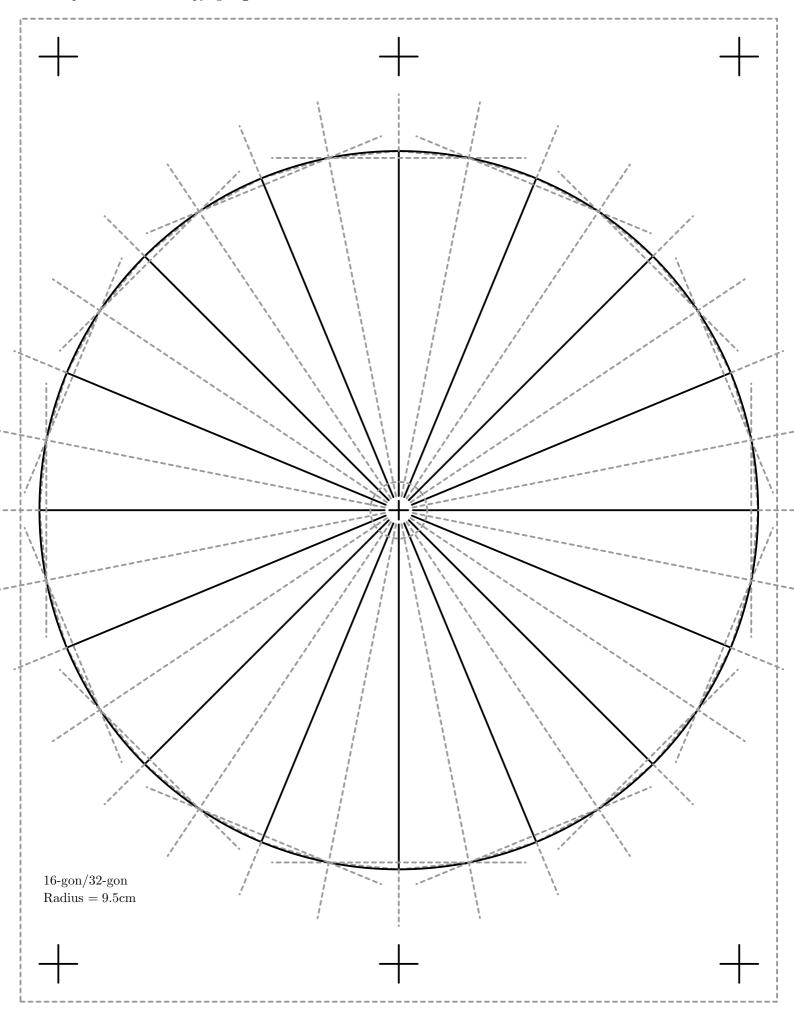
Section 14-gon/28-gon



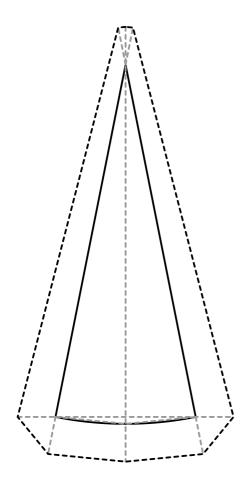


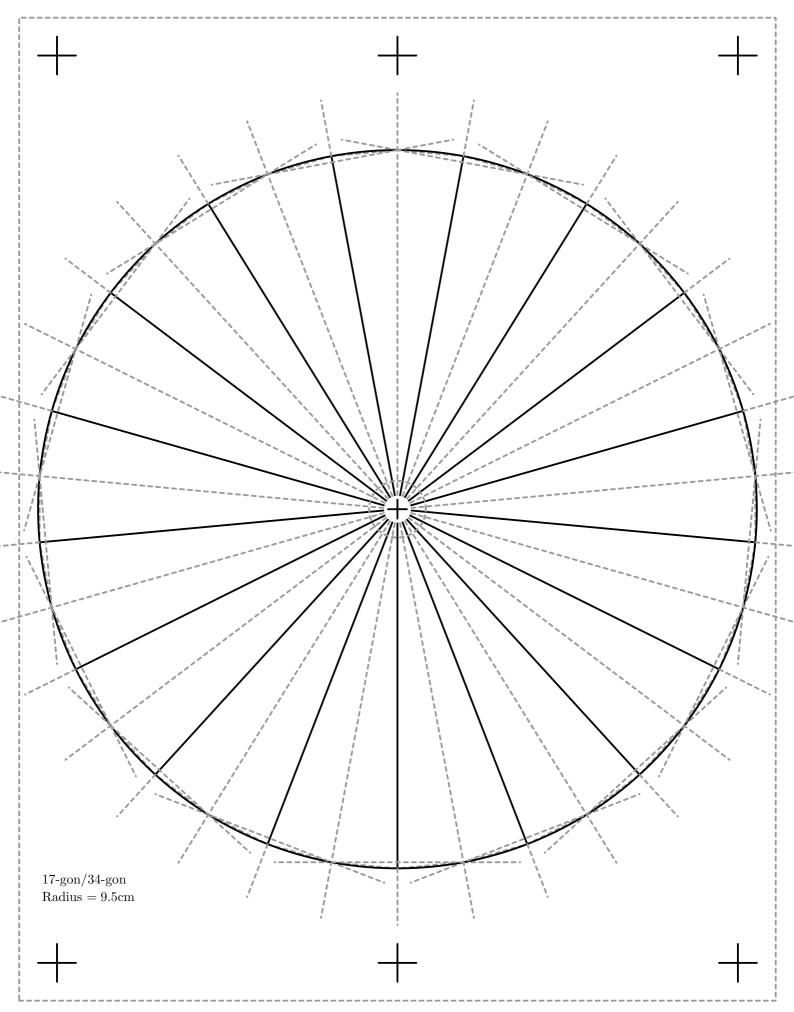
Section 15-gon/30-gon



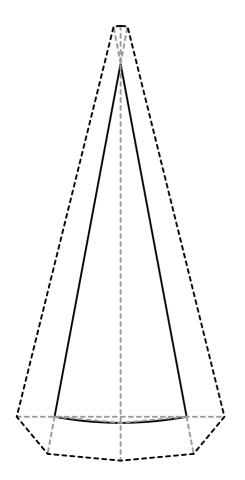


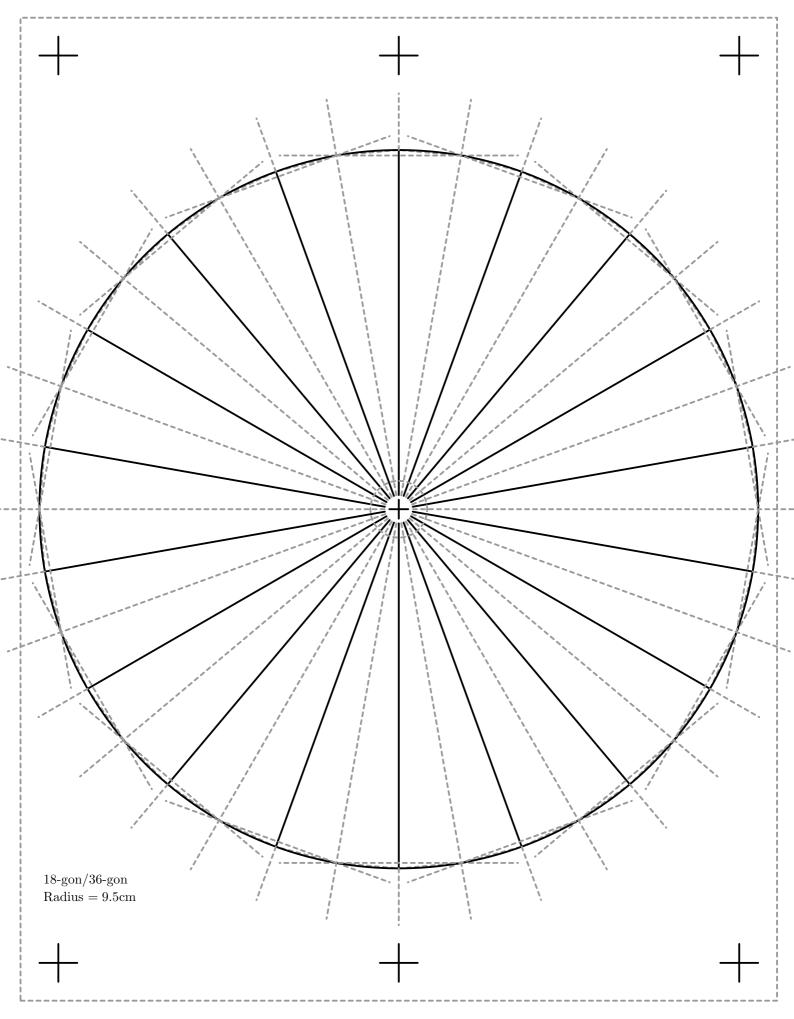
Section 16-gon/32-gon



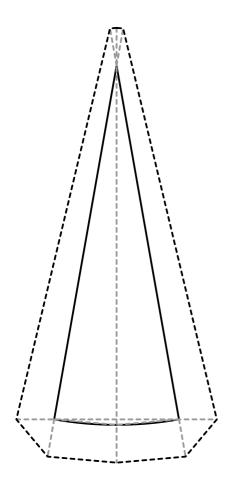


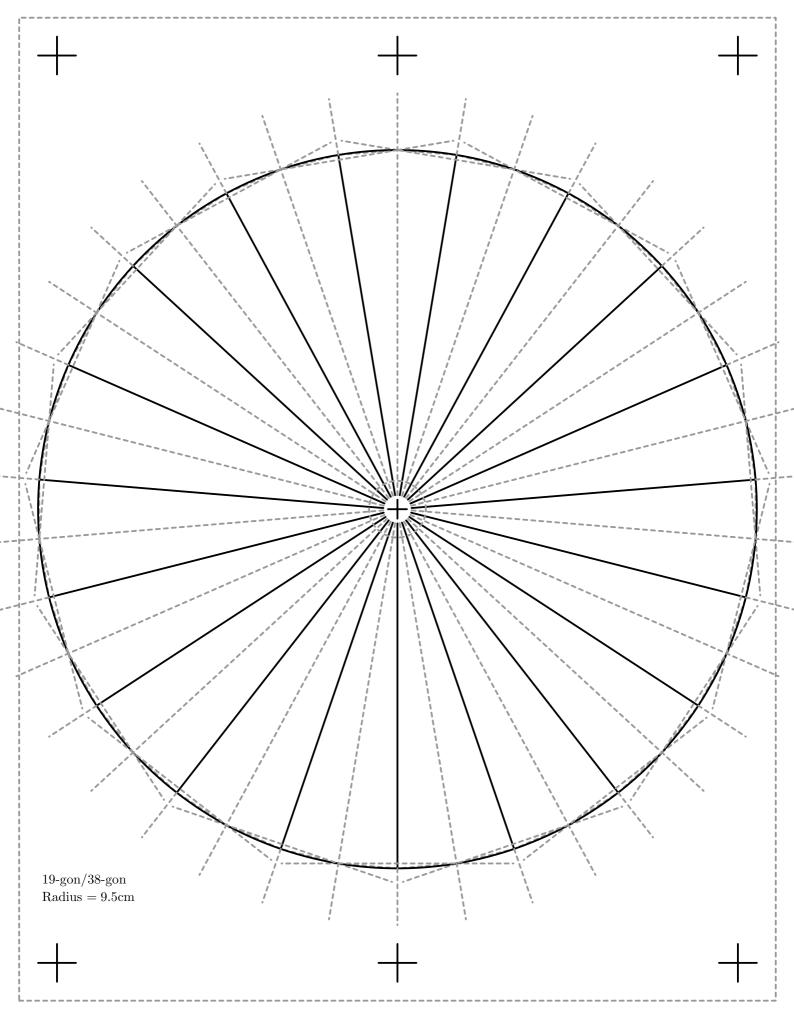
Section 17-gon/34-gon



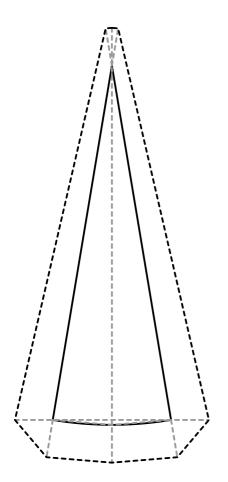


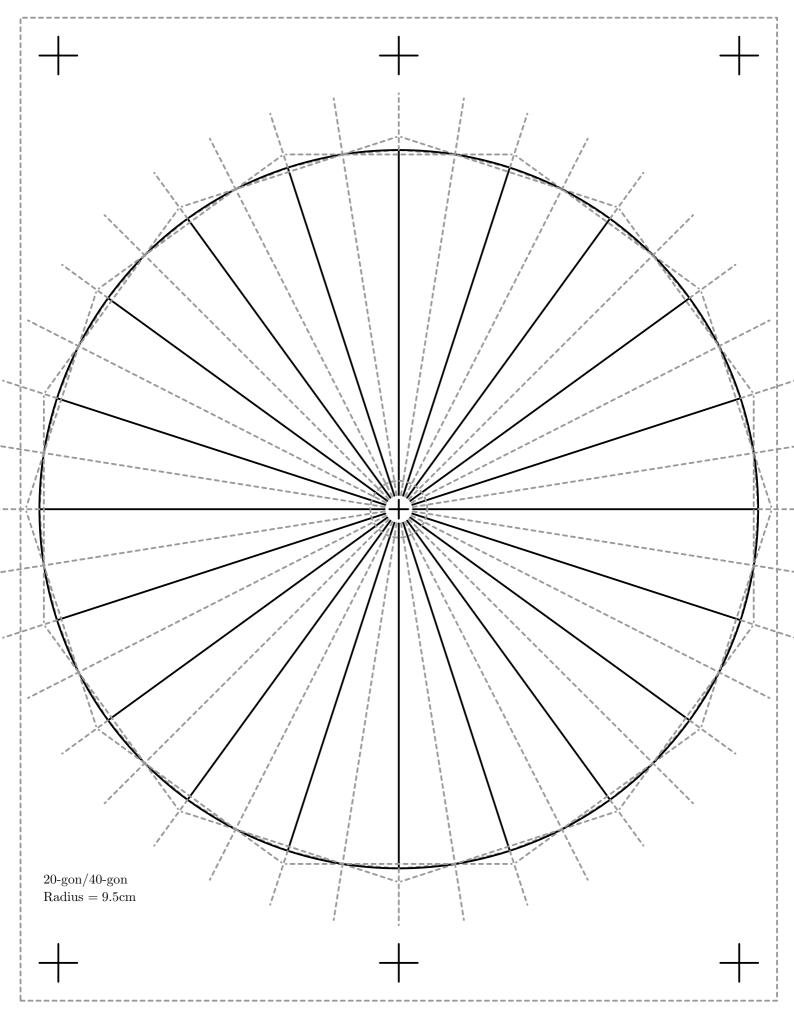
Section 18-gon/36-gon



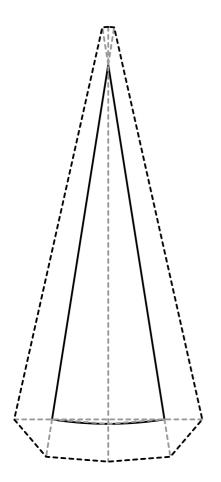


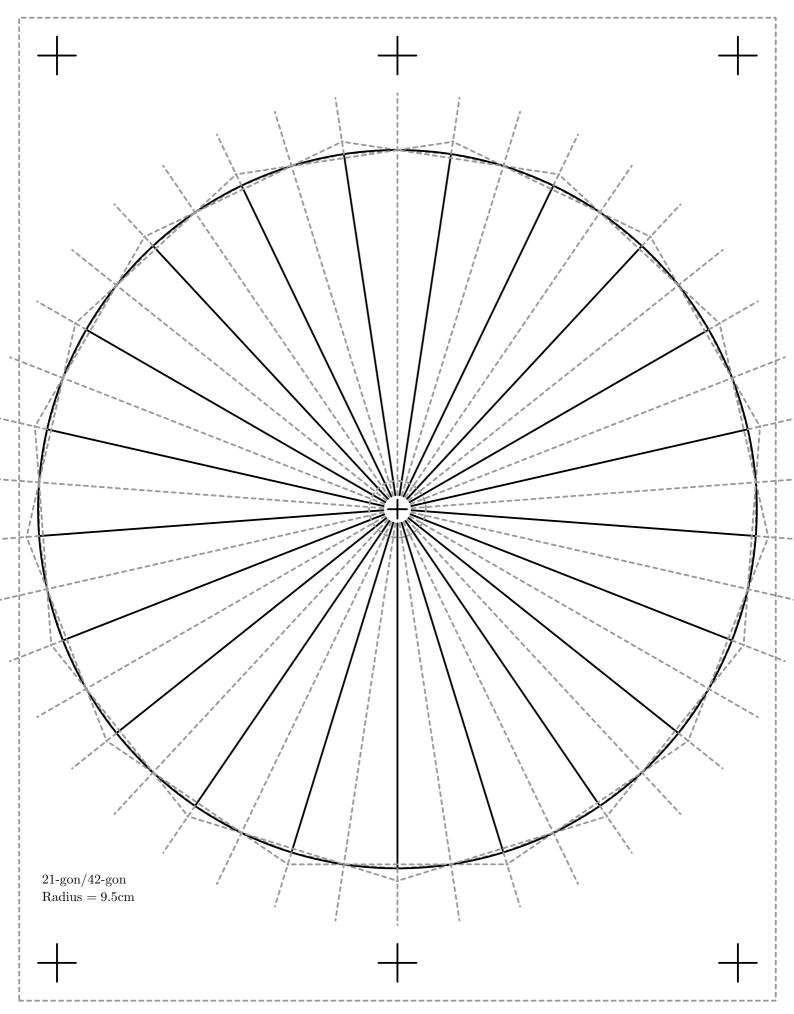
Section 19-gon/38-gon



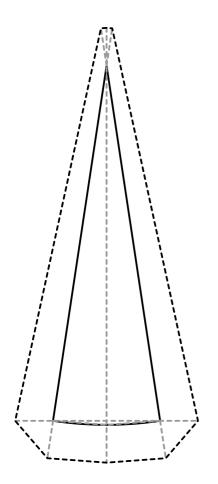


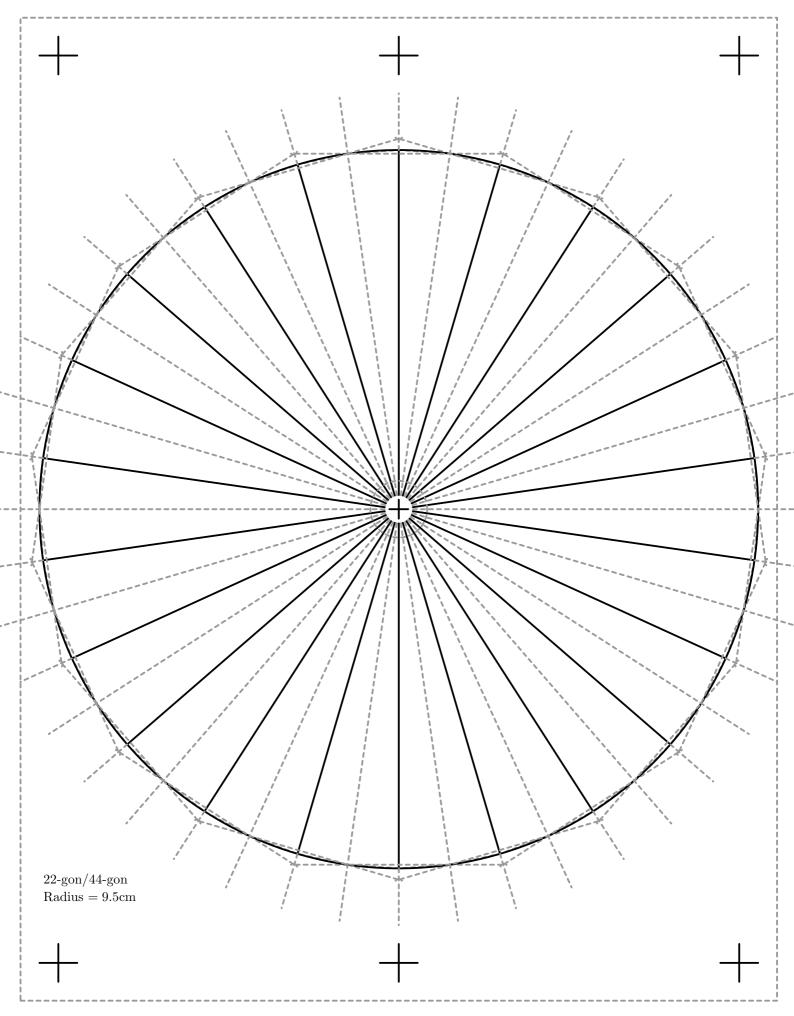
Section 20-gon/40-gon





Section 21-gon/42-gon





Section 22-gon/44-gon

