

## Papercut Patterns

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GNU 3DLDF website: <http://www.gnu.org/software/3dldf/LDF.html>

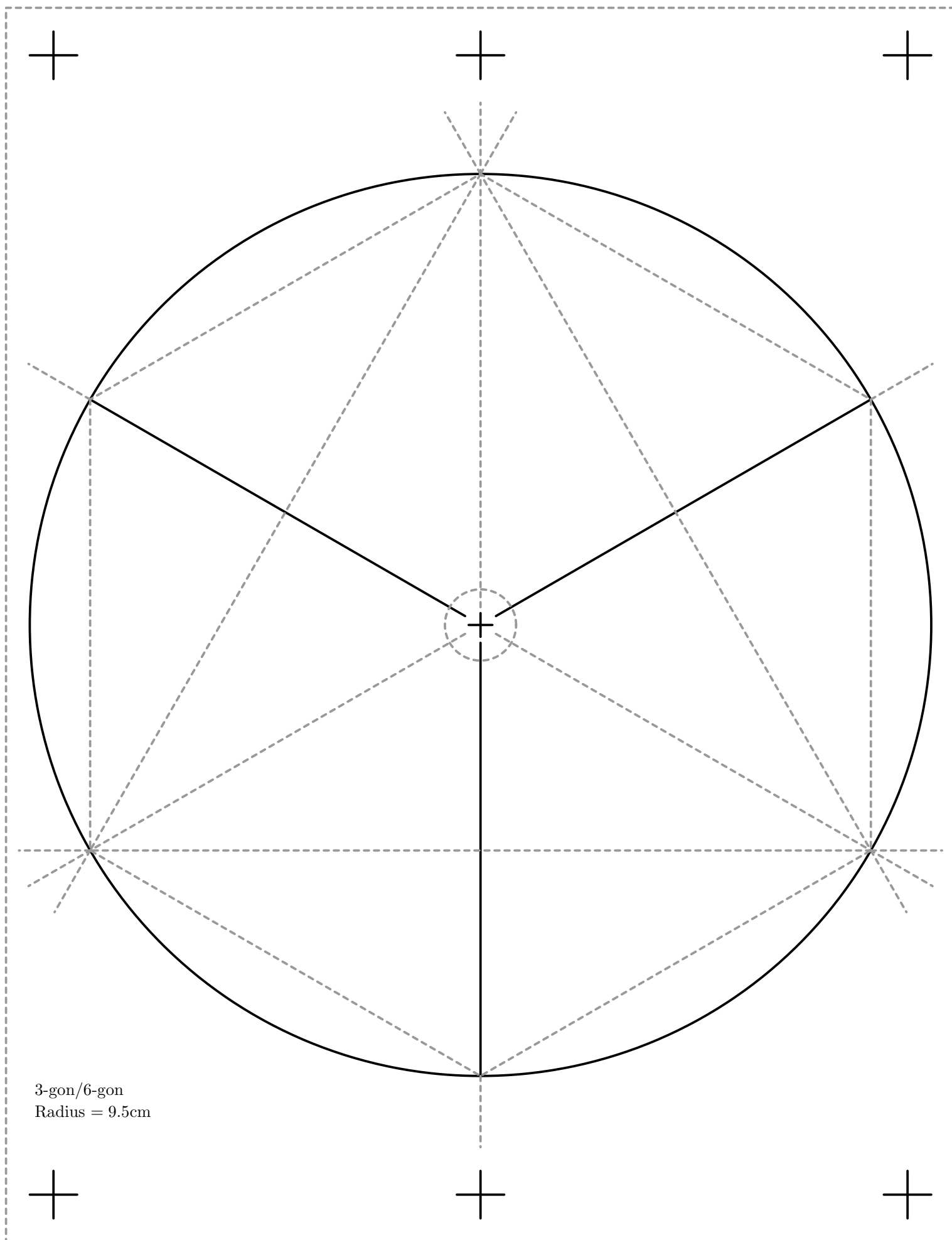
## Papercut Patterns

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.

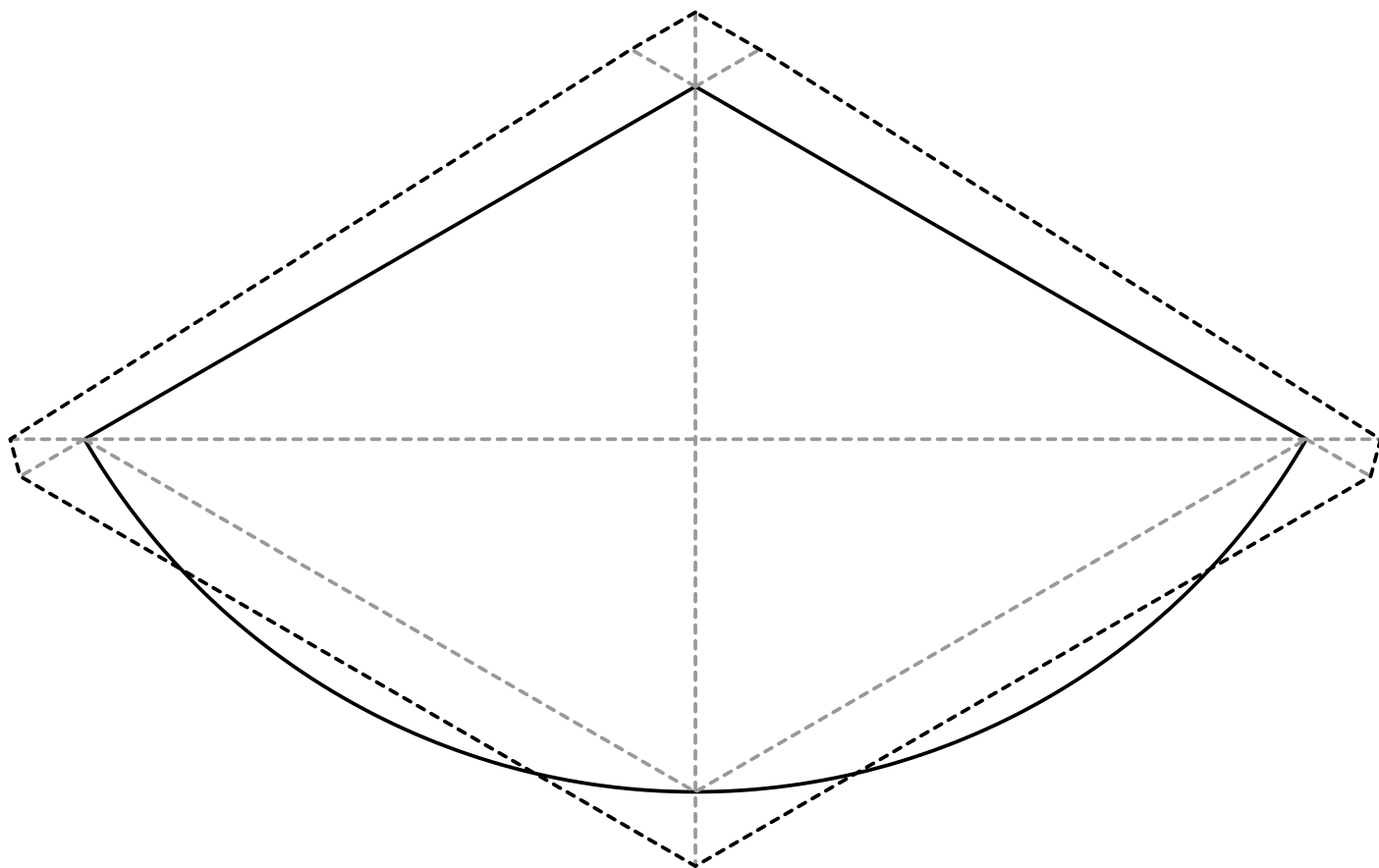
Half of the drawings contain a circle divided into sections by two polygons,  $p_1$  and  $p_2$ , where  $p_2$  has twice as many sides as  $p_1$ . Put another way, the lines of  $p_2$  divide each triangular section of  $p_1$  into halves.

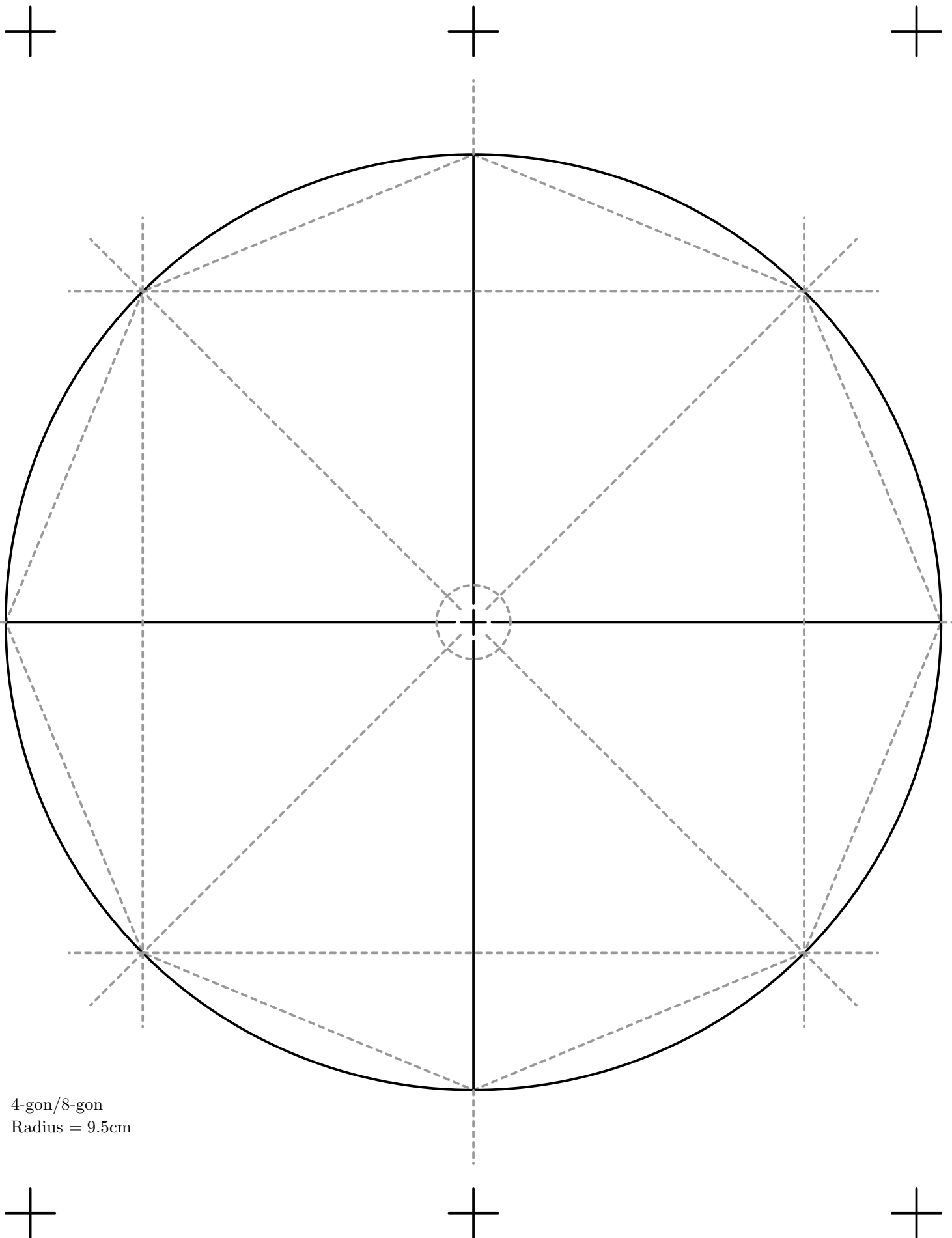
The other half of the drawings contains one or more separate sections from the “polygon-circle” on the previous page. These sections can be used for creating patterns, which can then be transferred to the drawing with the entire “polygon-circle”. The dashed grey lines can be used for aligning them with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



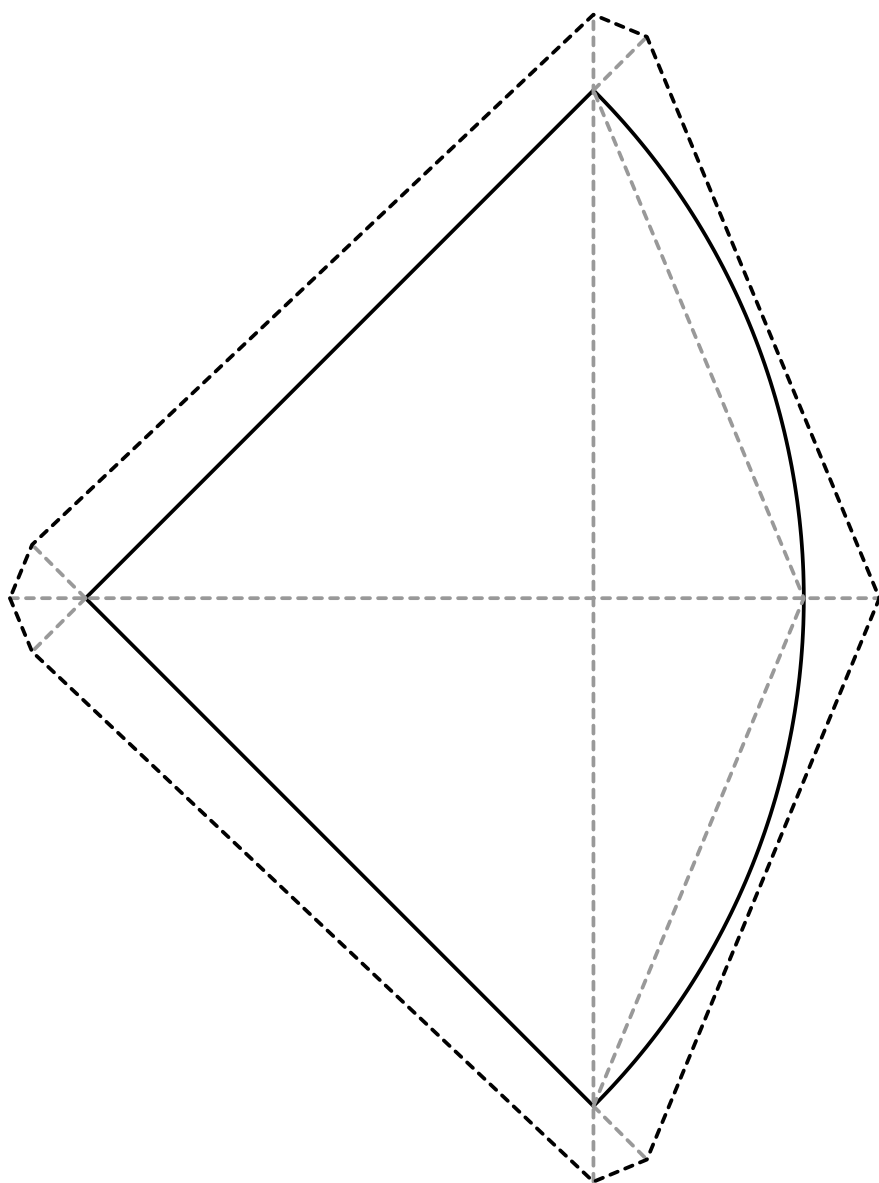
Section 3-gon/6-gon

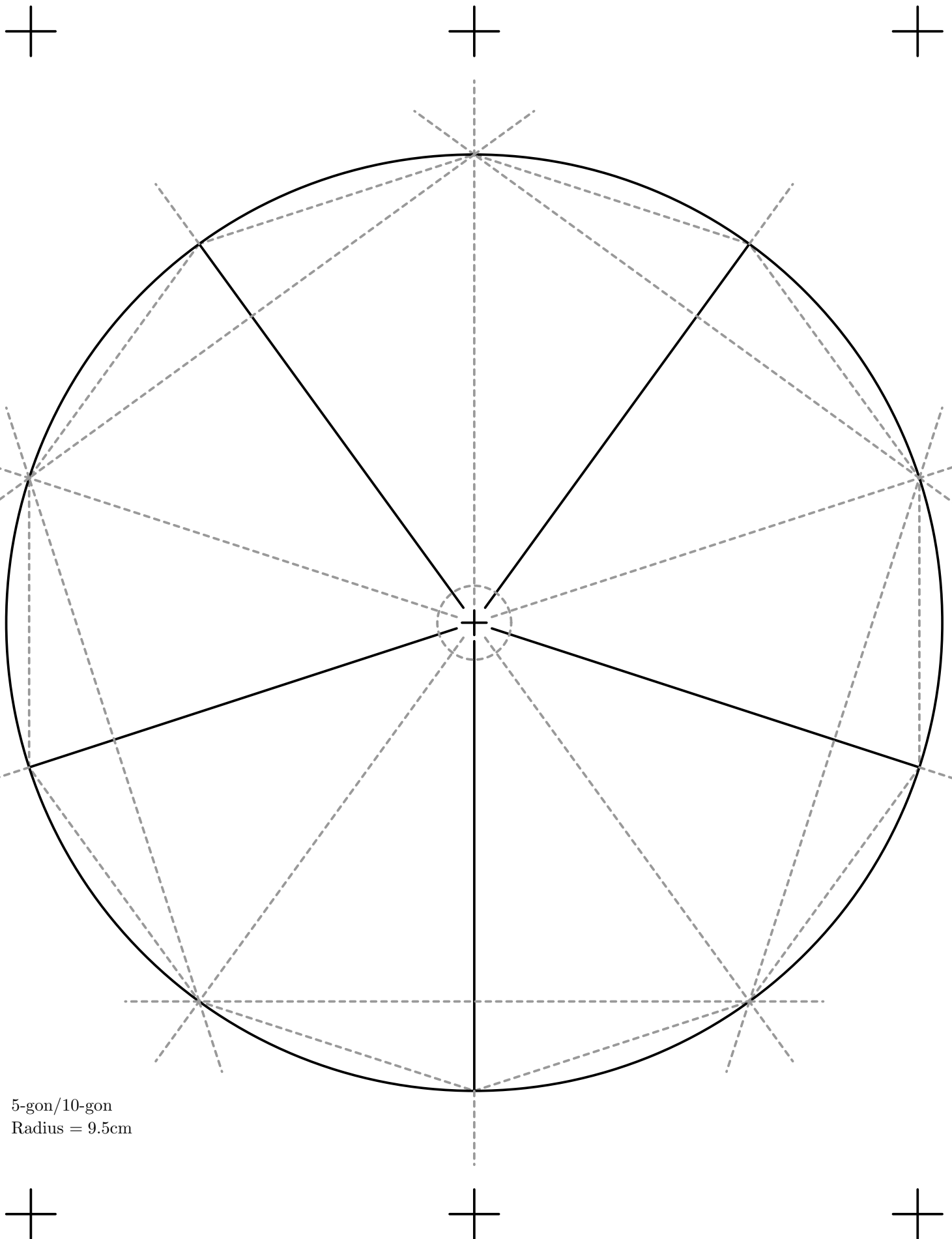




4-gon/8-gon  
Radius = 9.5cm

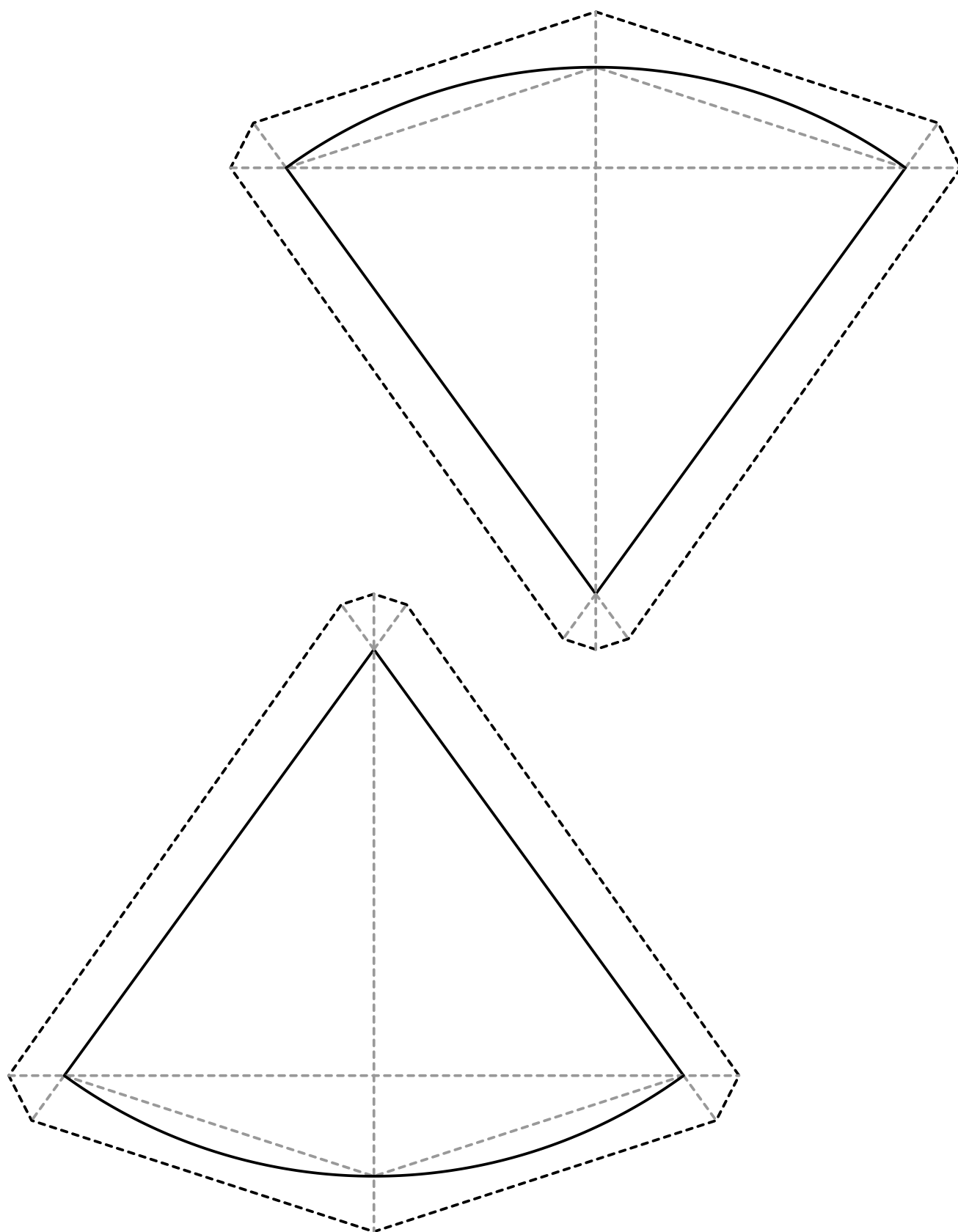
## Section 4-gon/8-gon



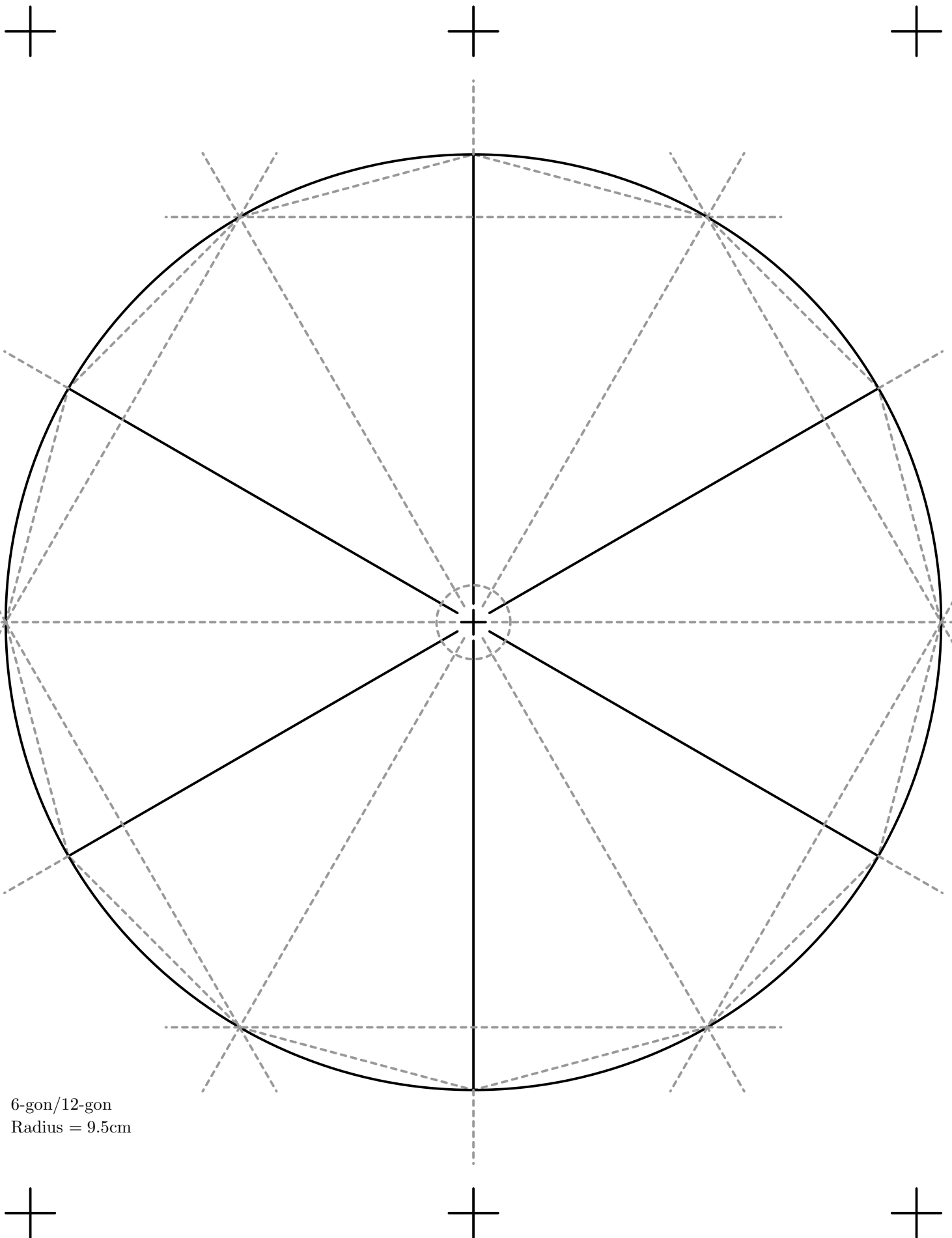


5-gon/10-gon  
Radius = 9.5cm

## Section 5-gon/10-gon

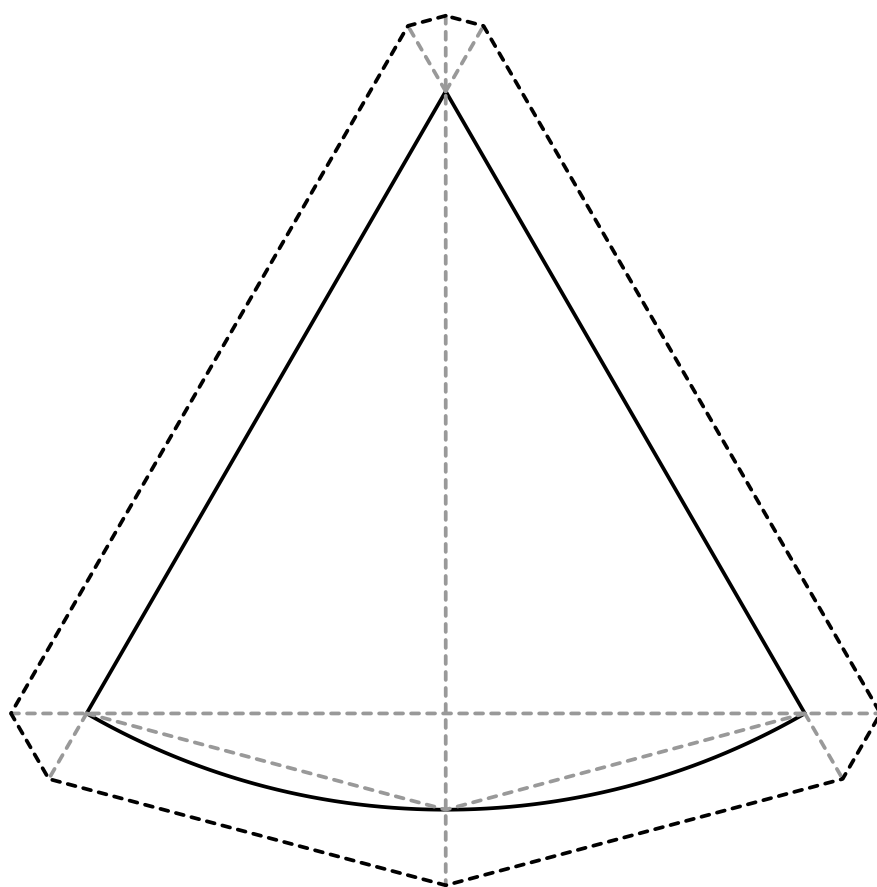


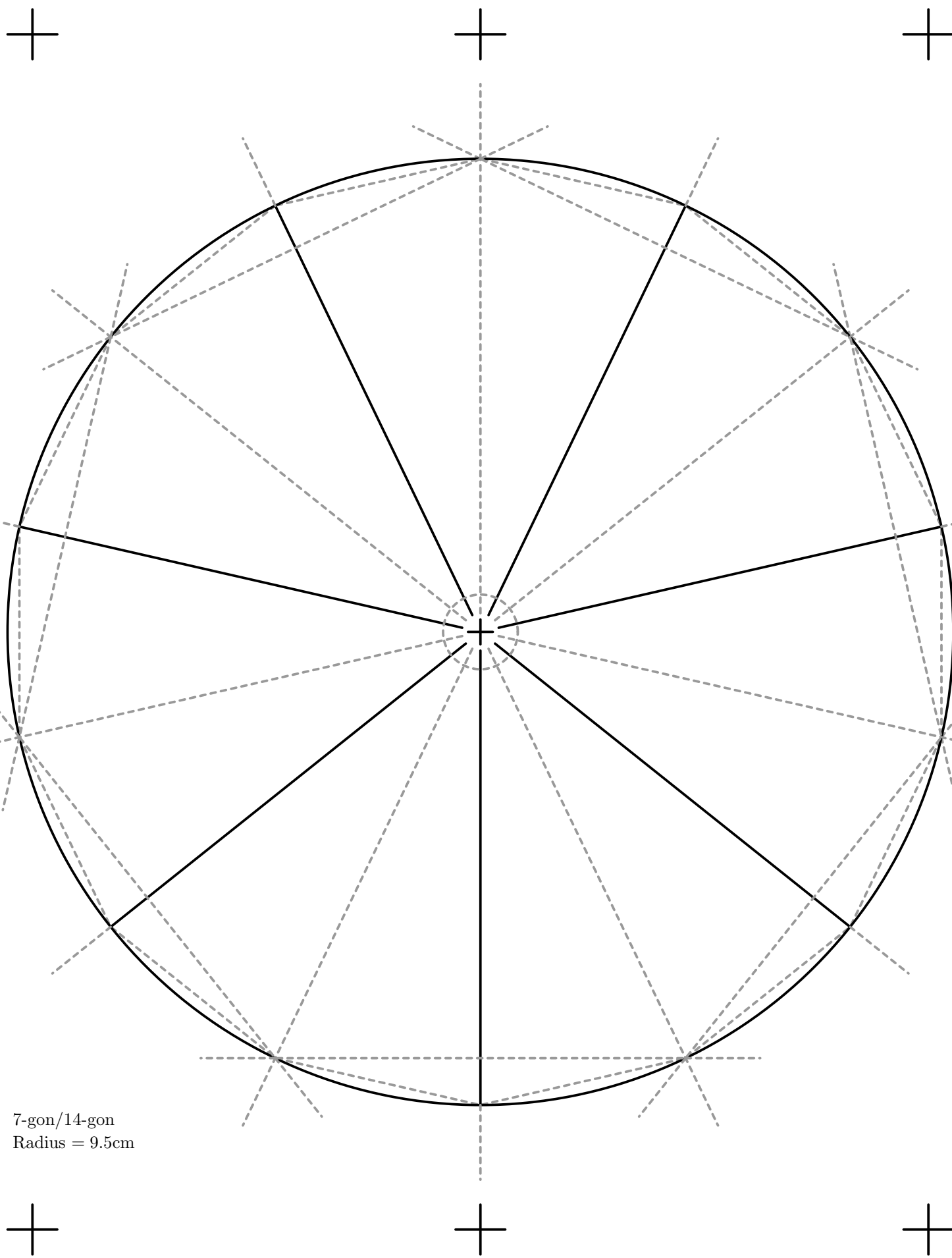




6-gon/12-gon  
Radius = 9.5cm

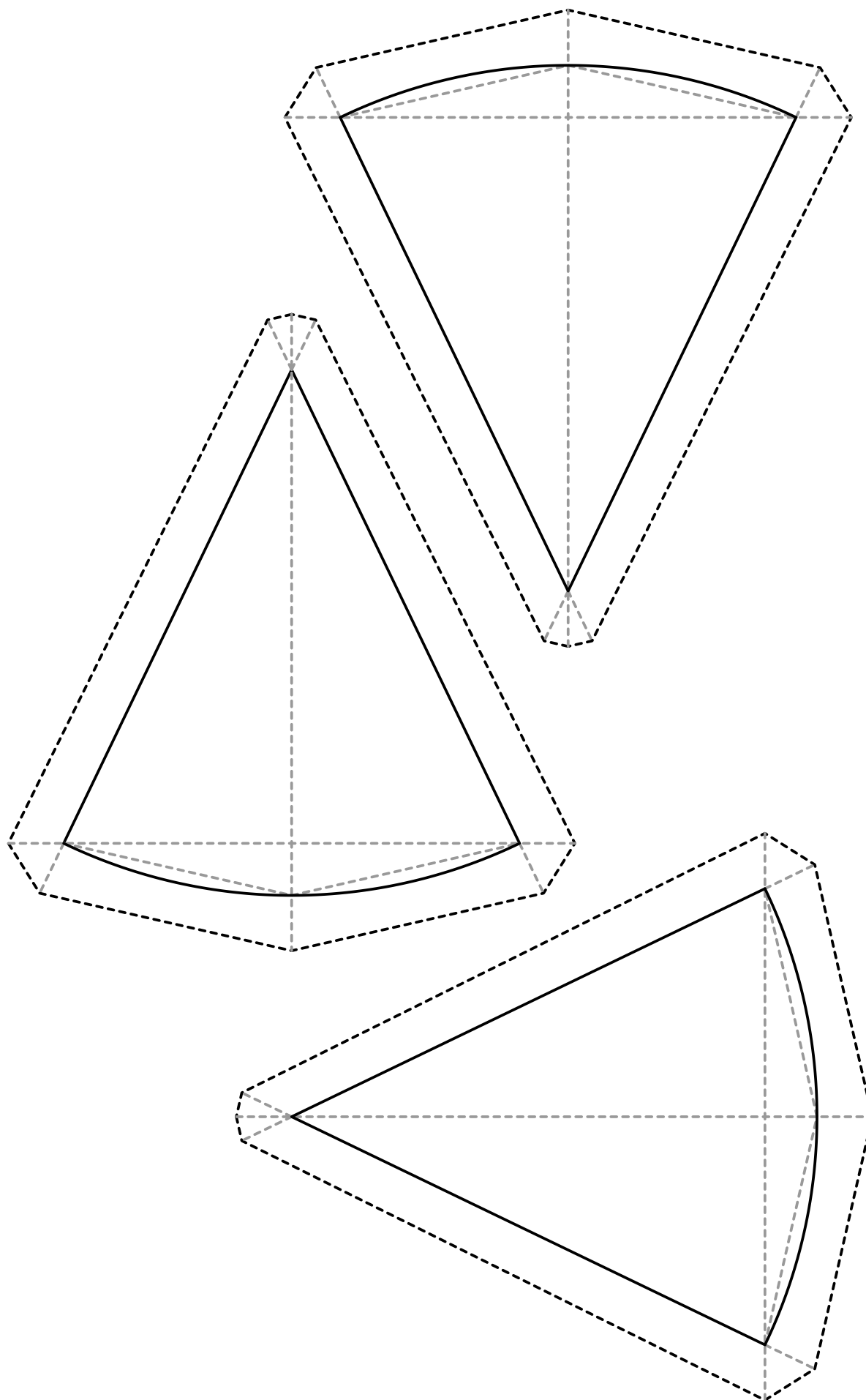
## Section 6-gon/12-gon

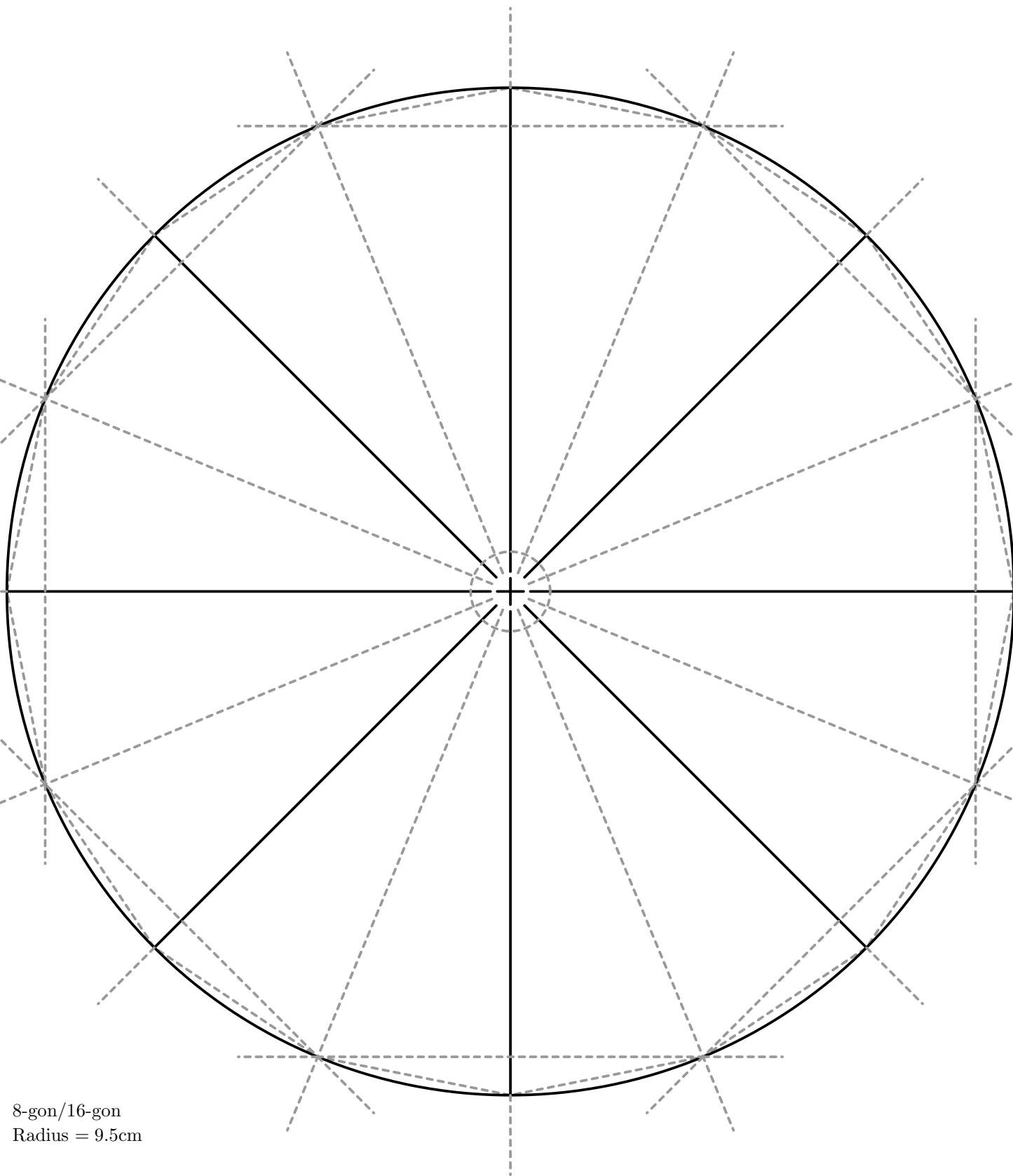
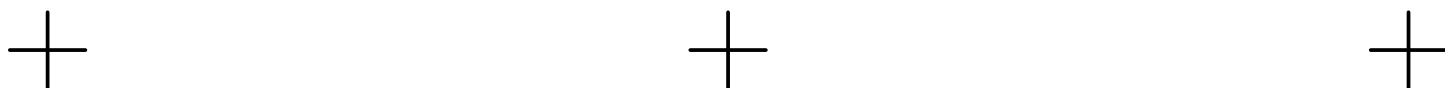




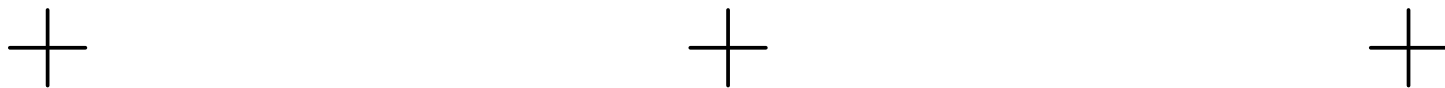
7-gon/14-gon  
Radius = 9.5cm

Section 7-gon/14-gon

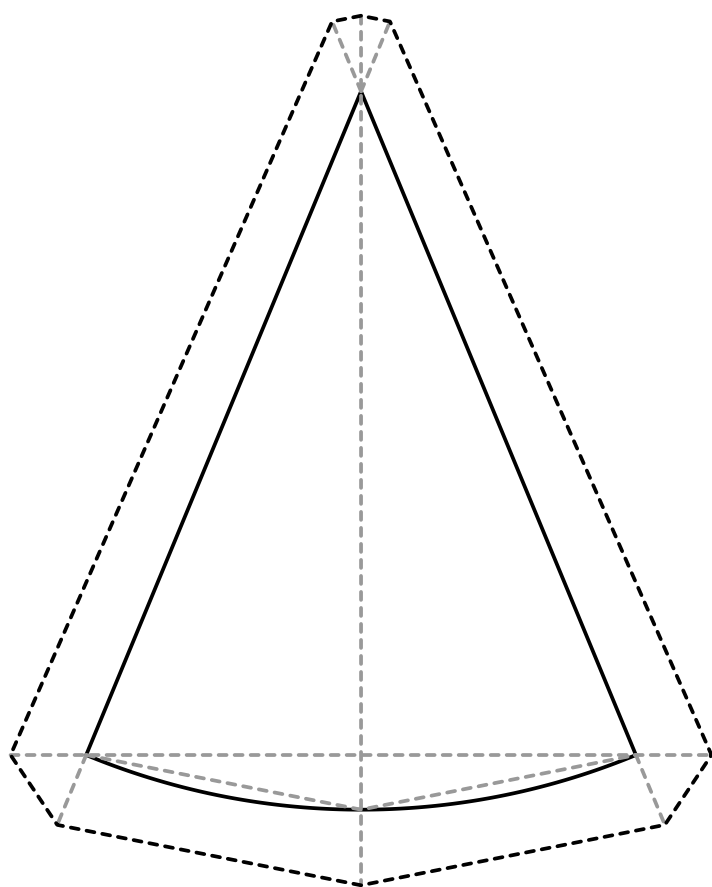


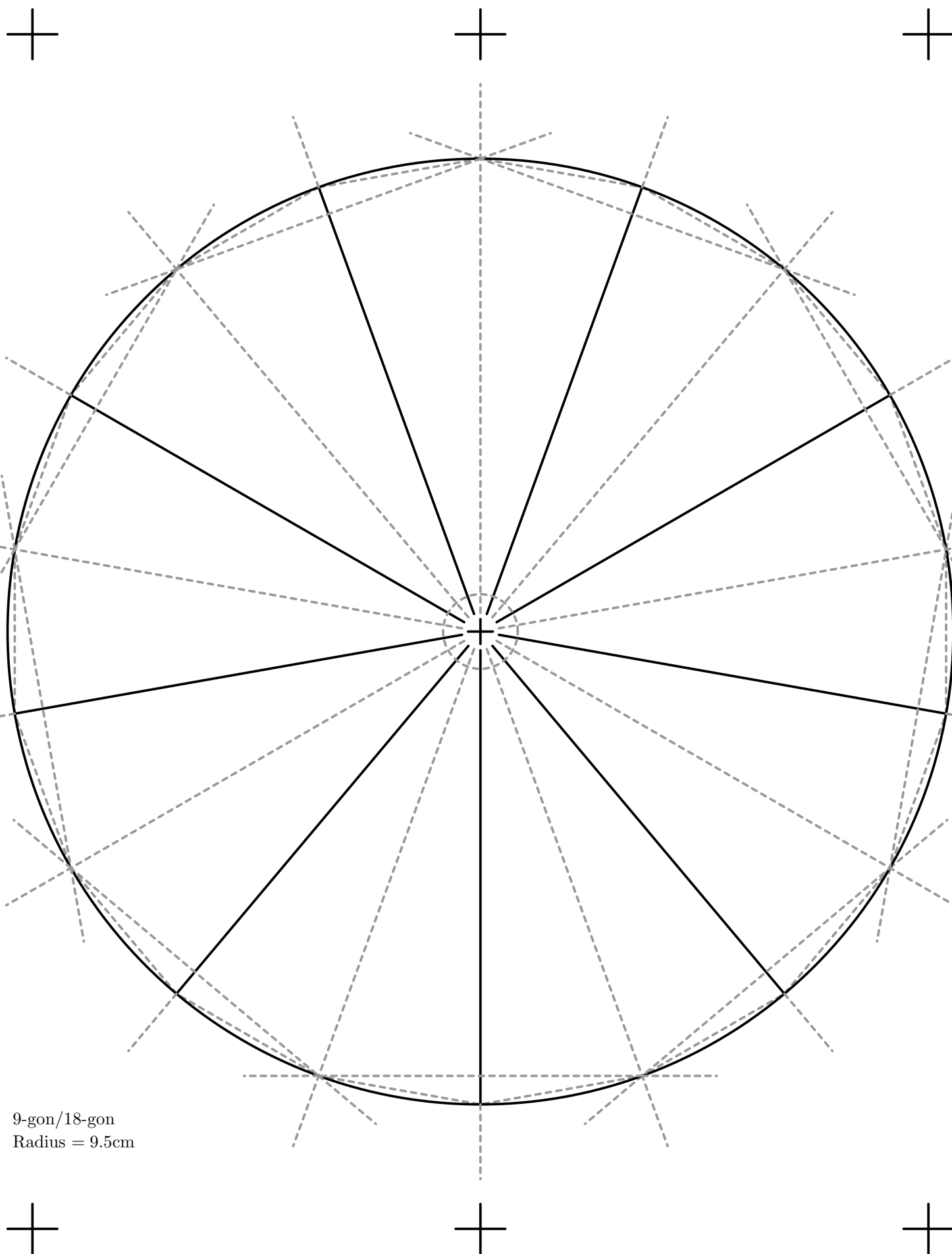


8-gon/16-gon  
Radius = 9.5cm



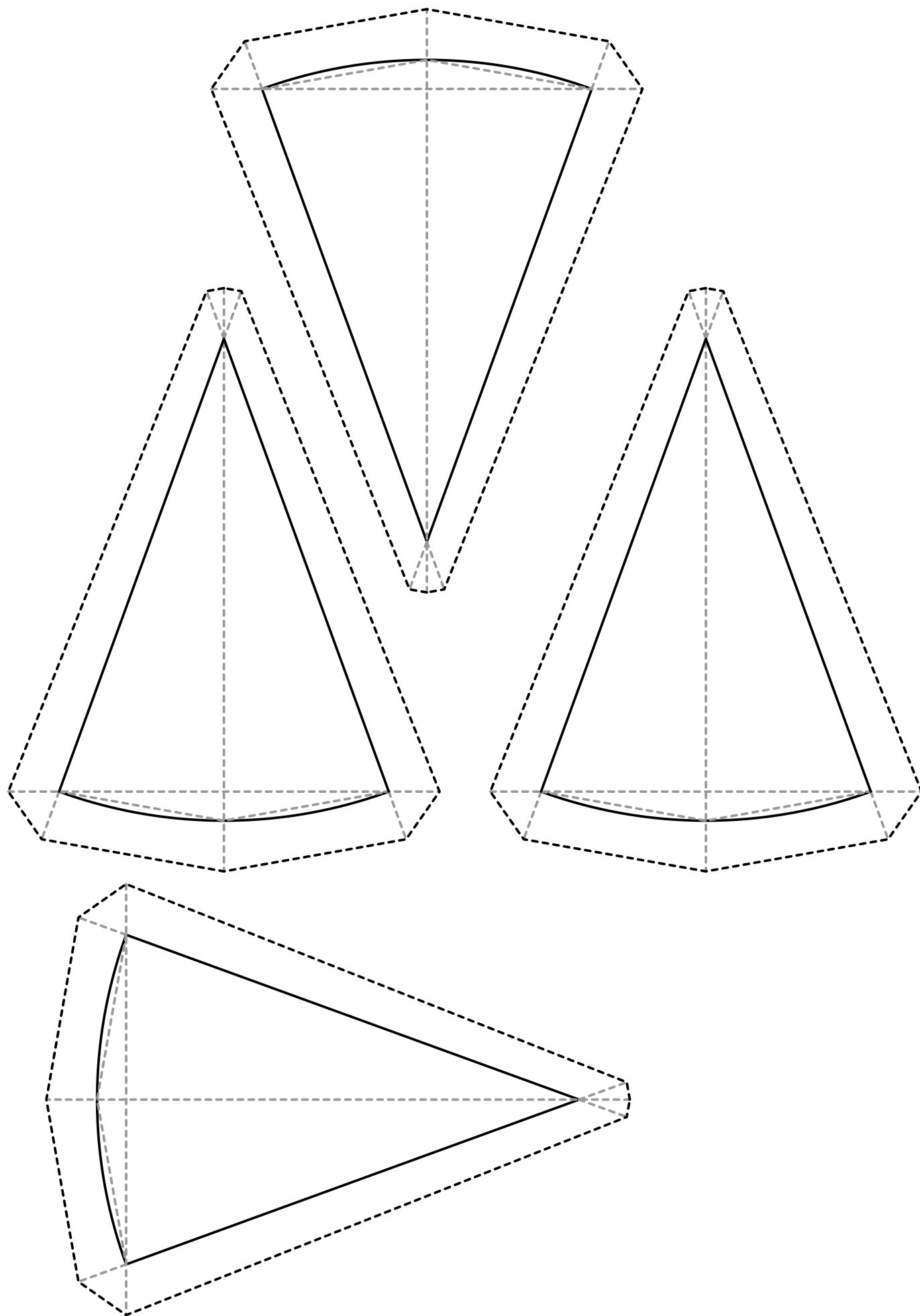
## Section 8-gon/16-gon



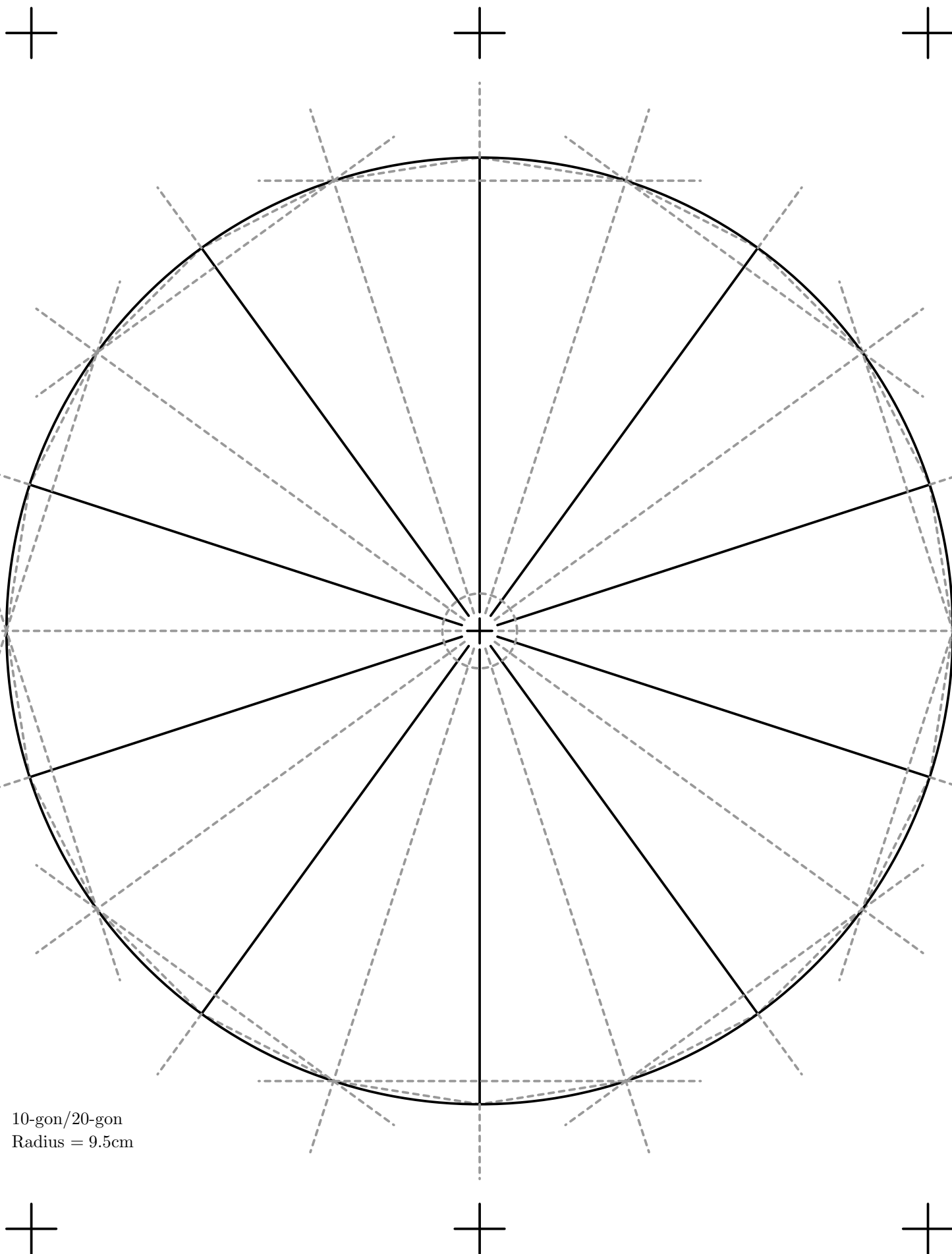


9-gon/18-gon  
Radius = 9.5cm

# Section 9-gon/18-gon

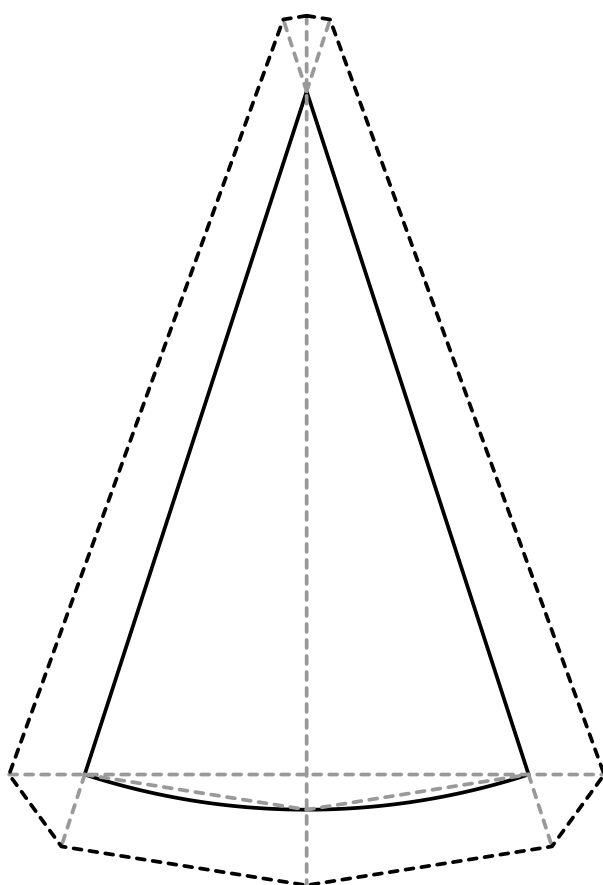


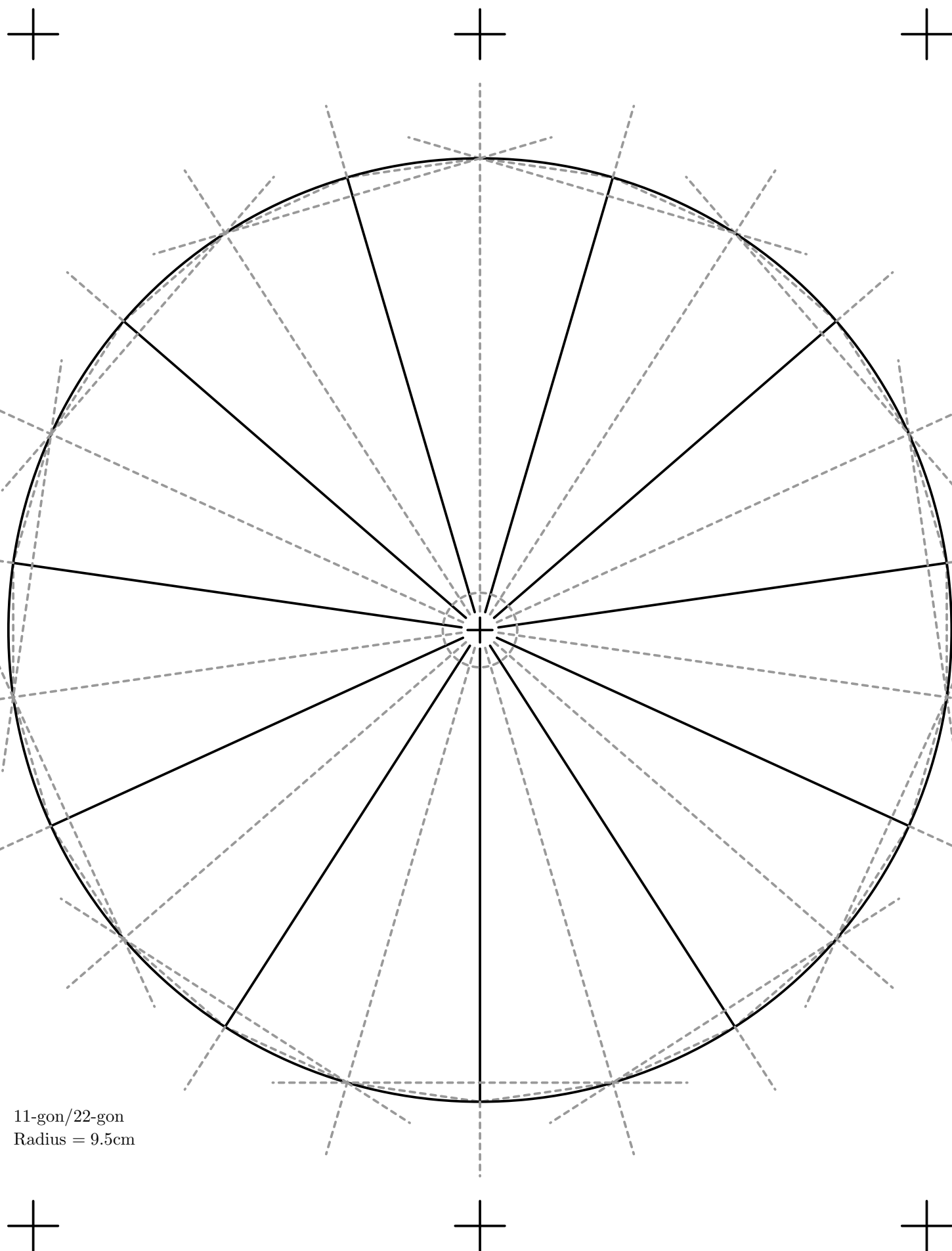




10-gon/20-gon  
Radius = 9.5cm

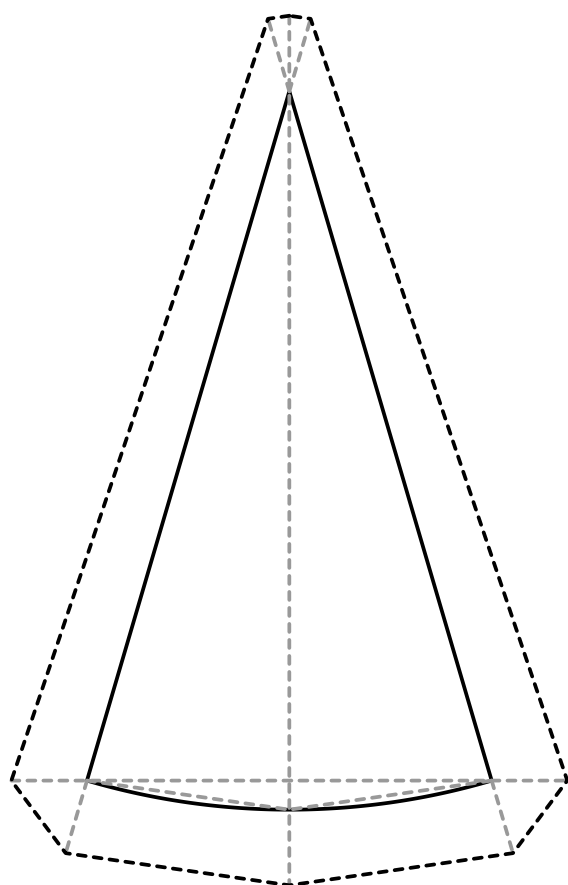
## Section 10-gon/20-gon

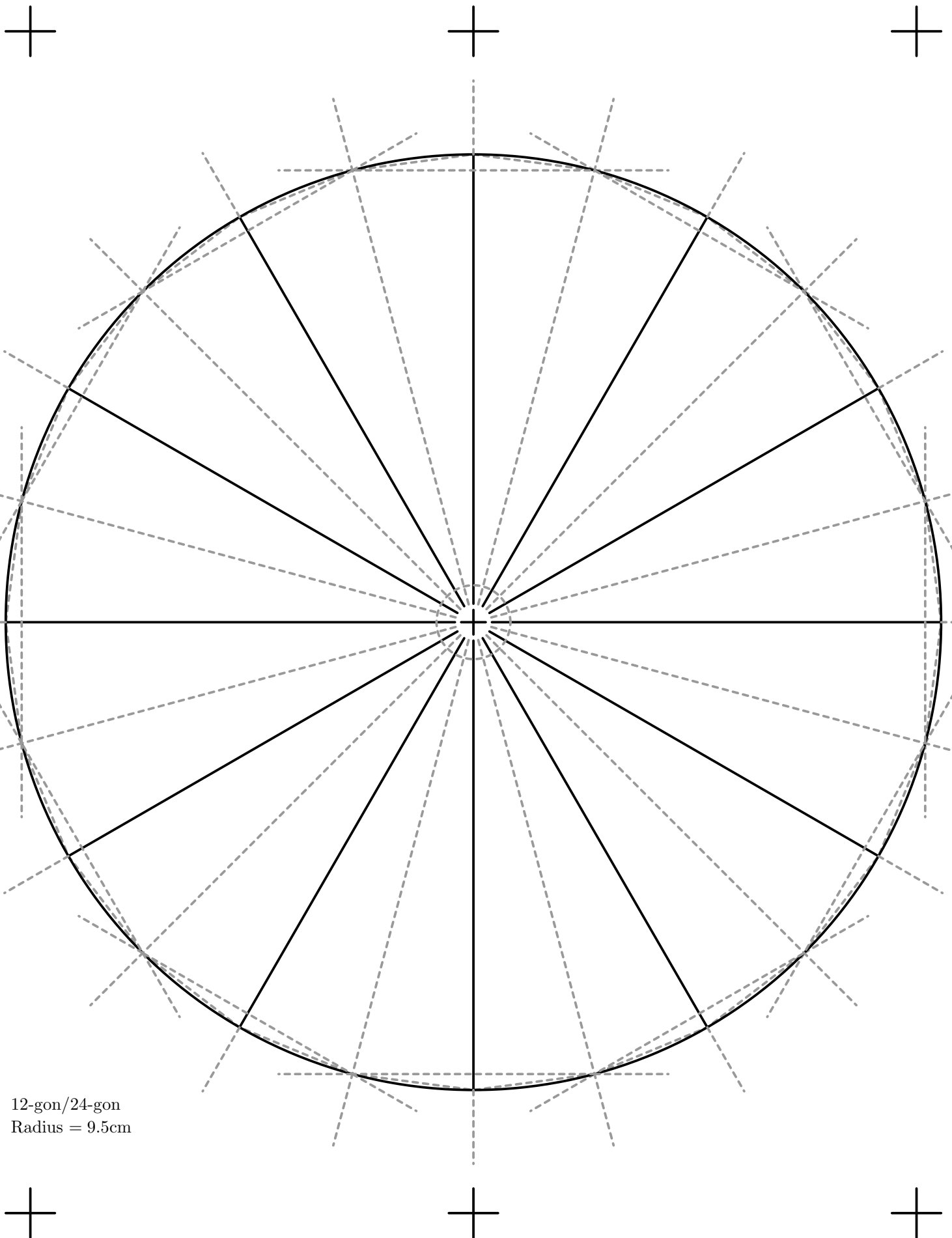




11-gon/22-gon  
Radius = 9.5cm

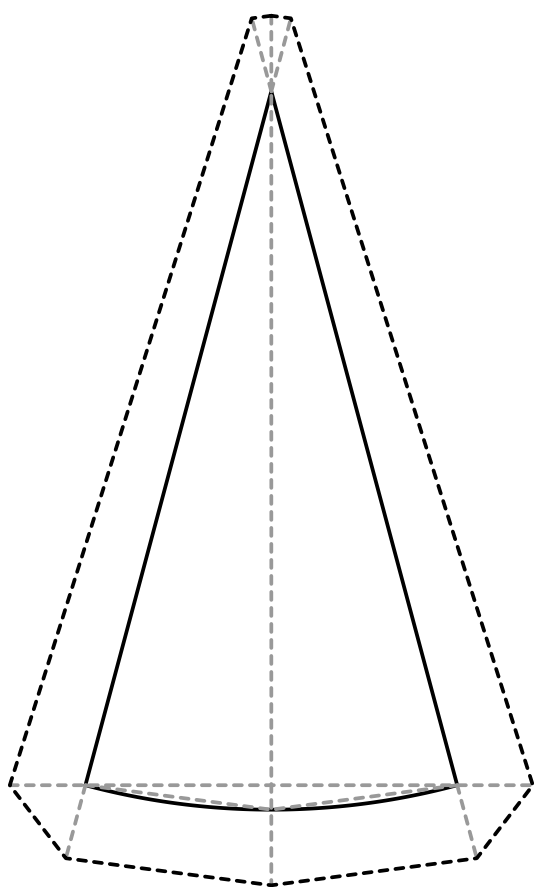
## Section 11-gon/22-gon

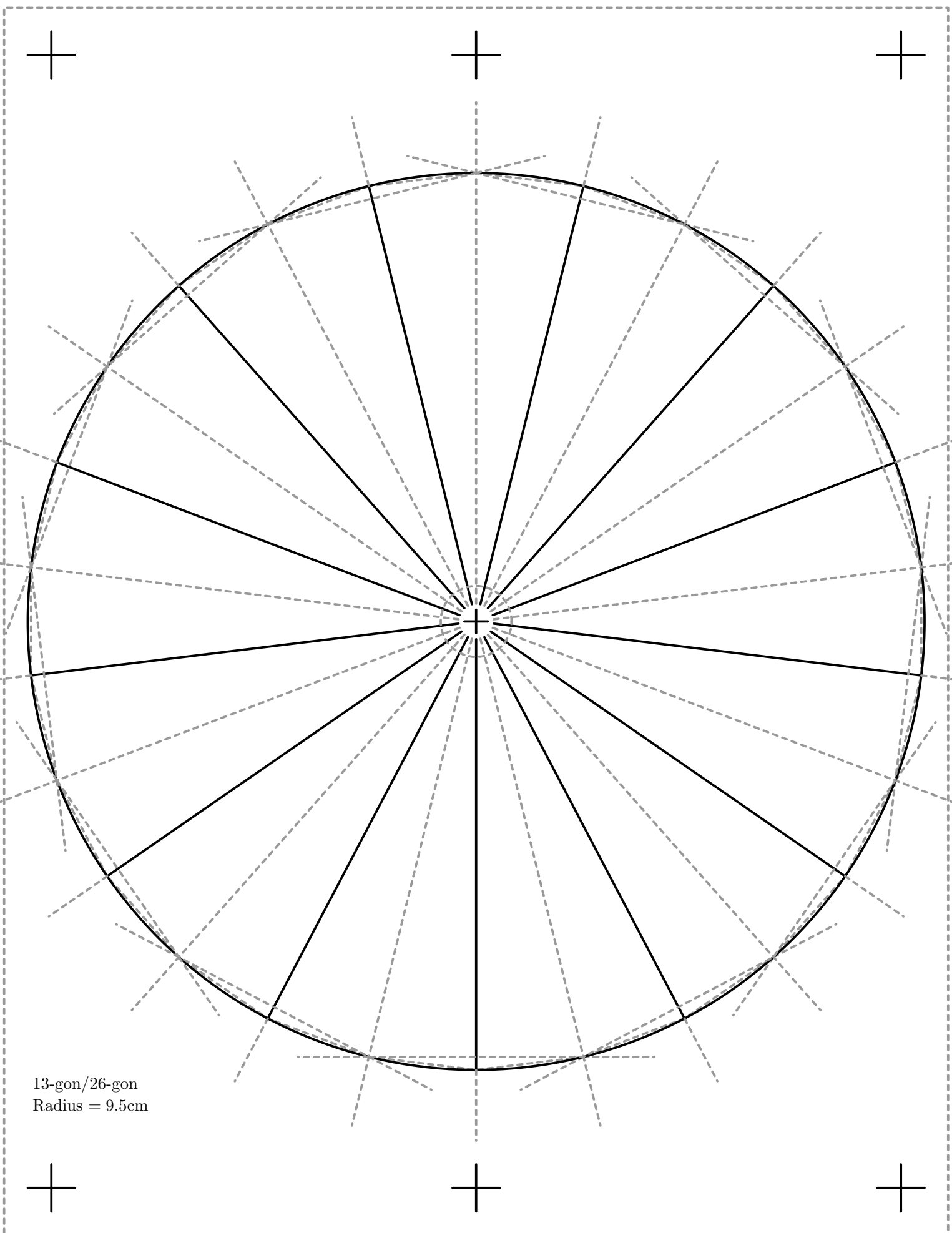




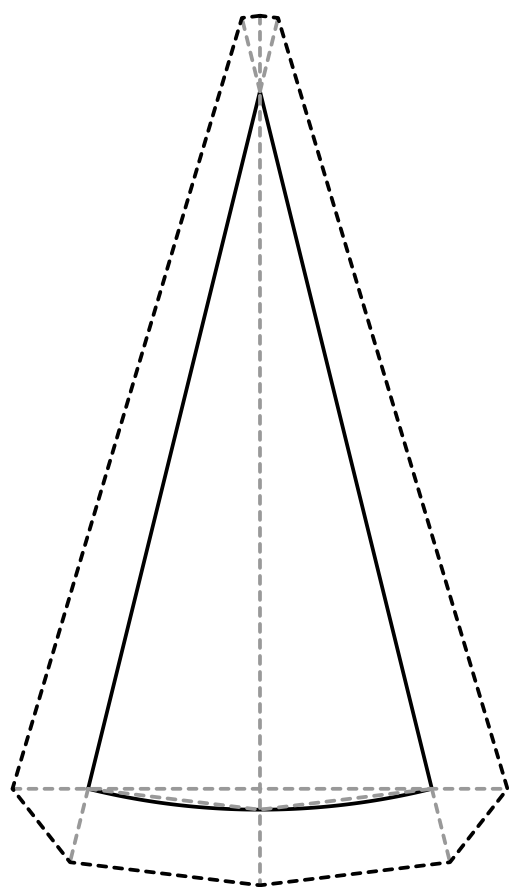
12-gon/24-gon  
Radius = 9.5cm

## Section 12-gon/24-gon

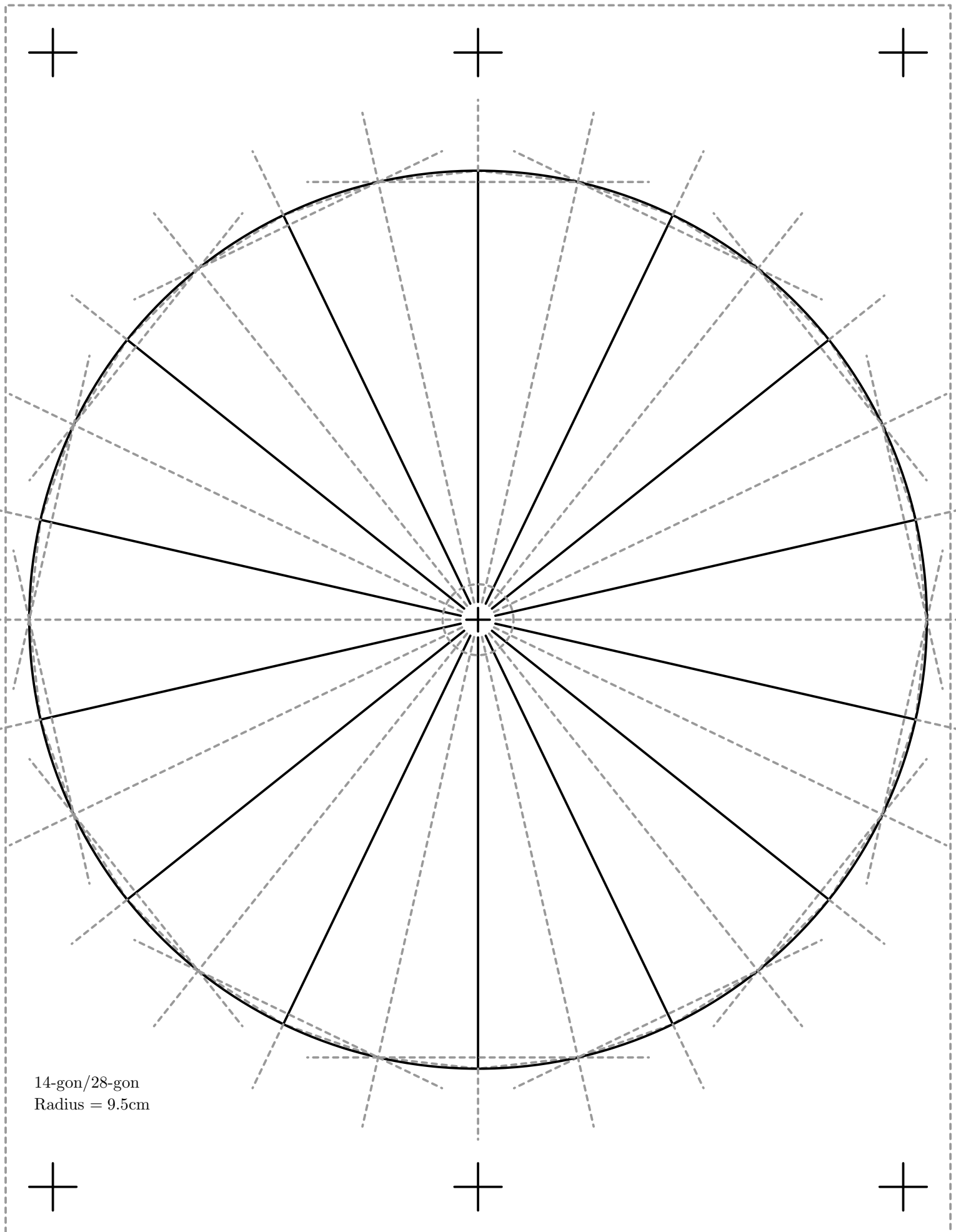




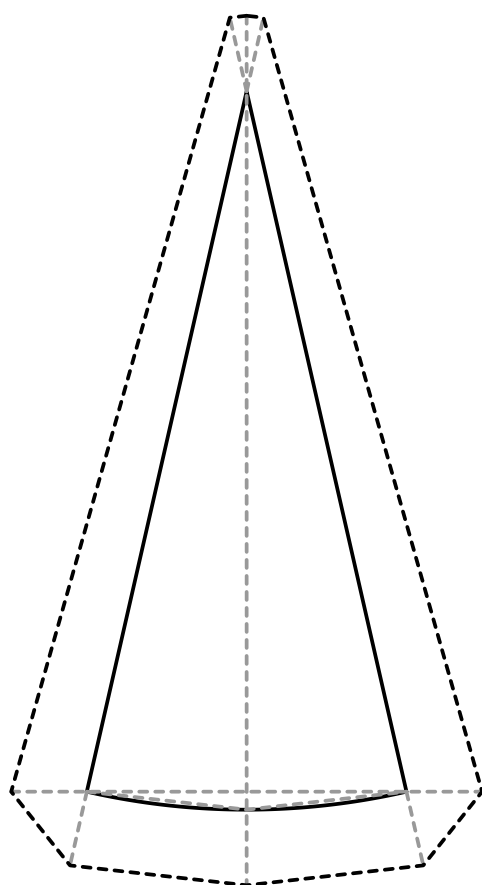
## Section 13-gon/26-gon

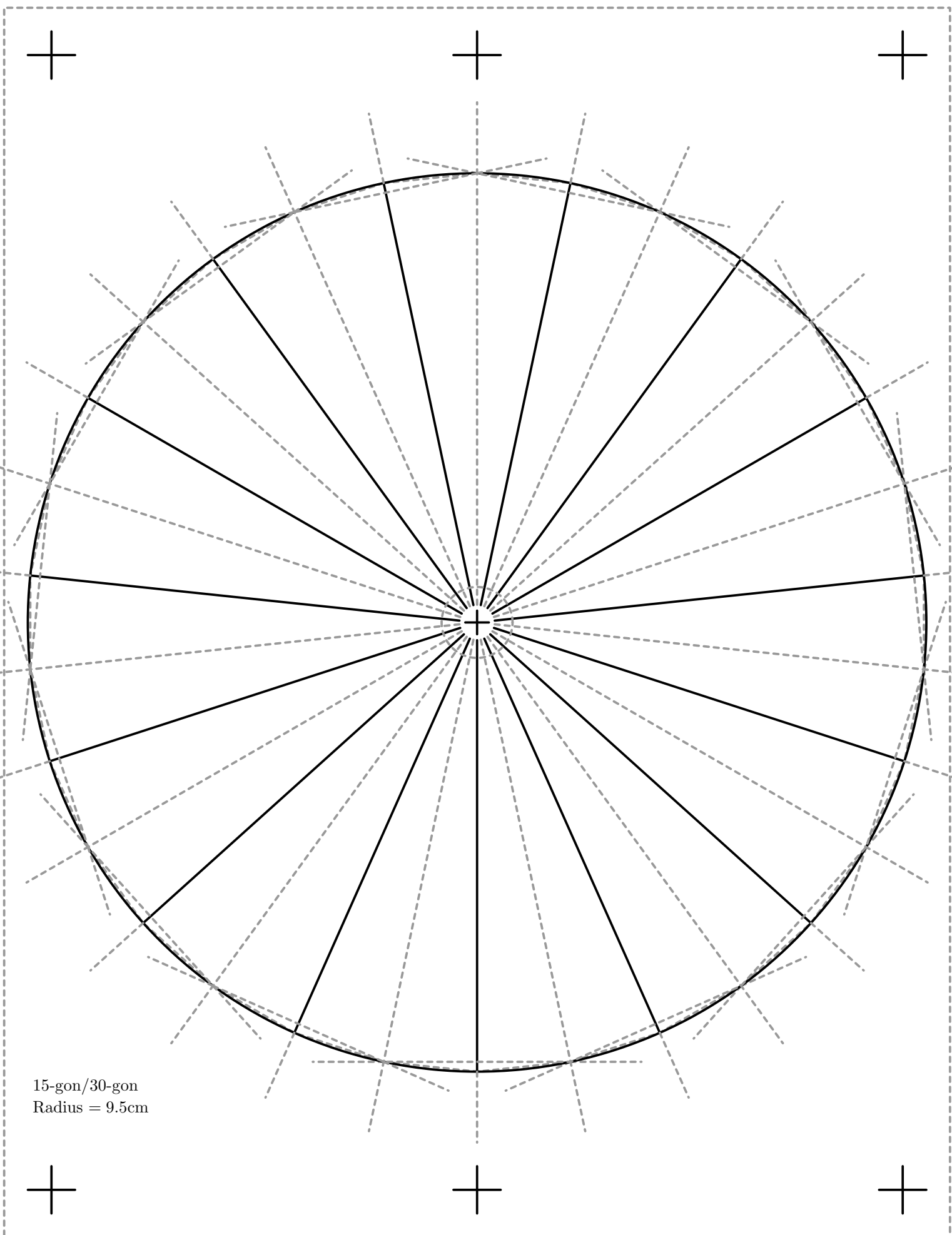




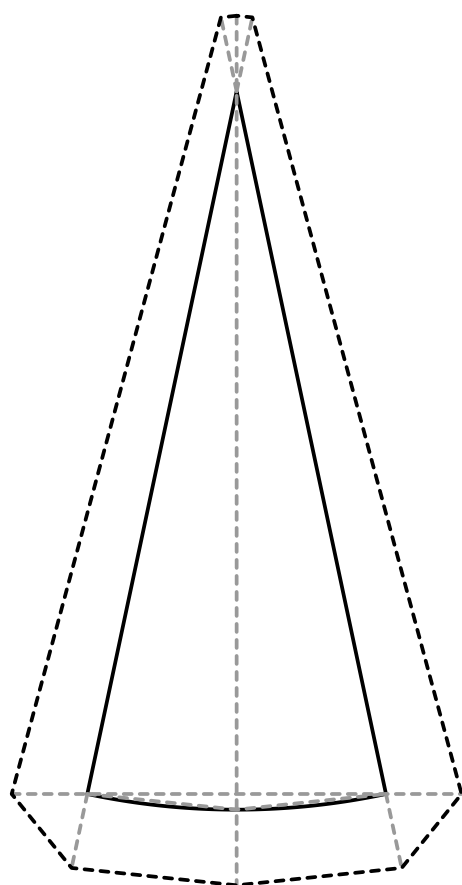


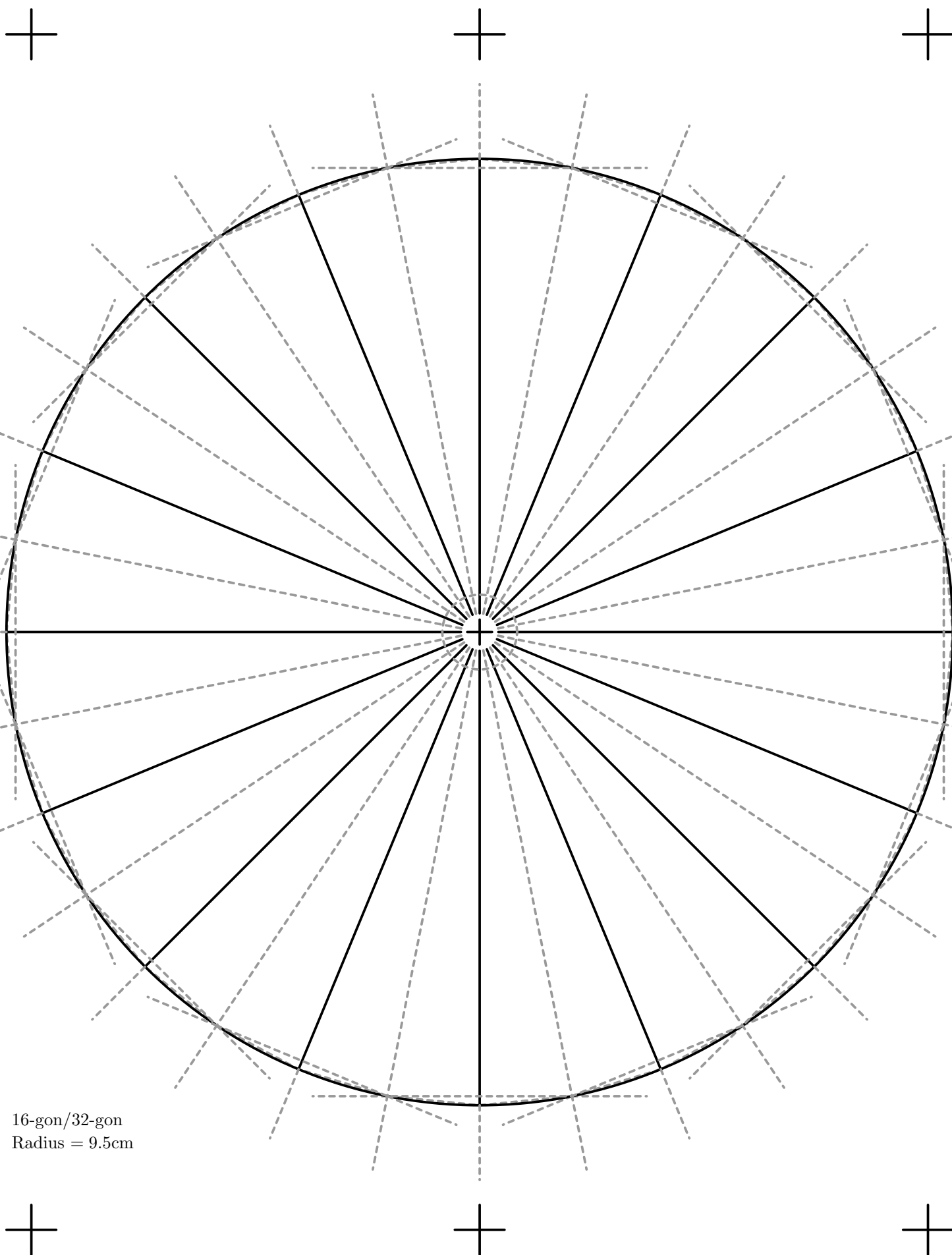
## Section 14-gon/28-gon





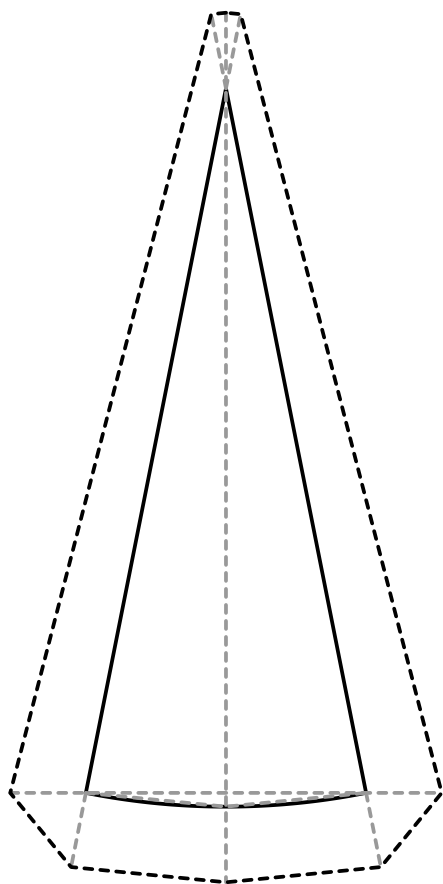
## Section 15-gon/30-gon

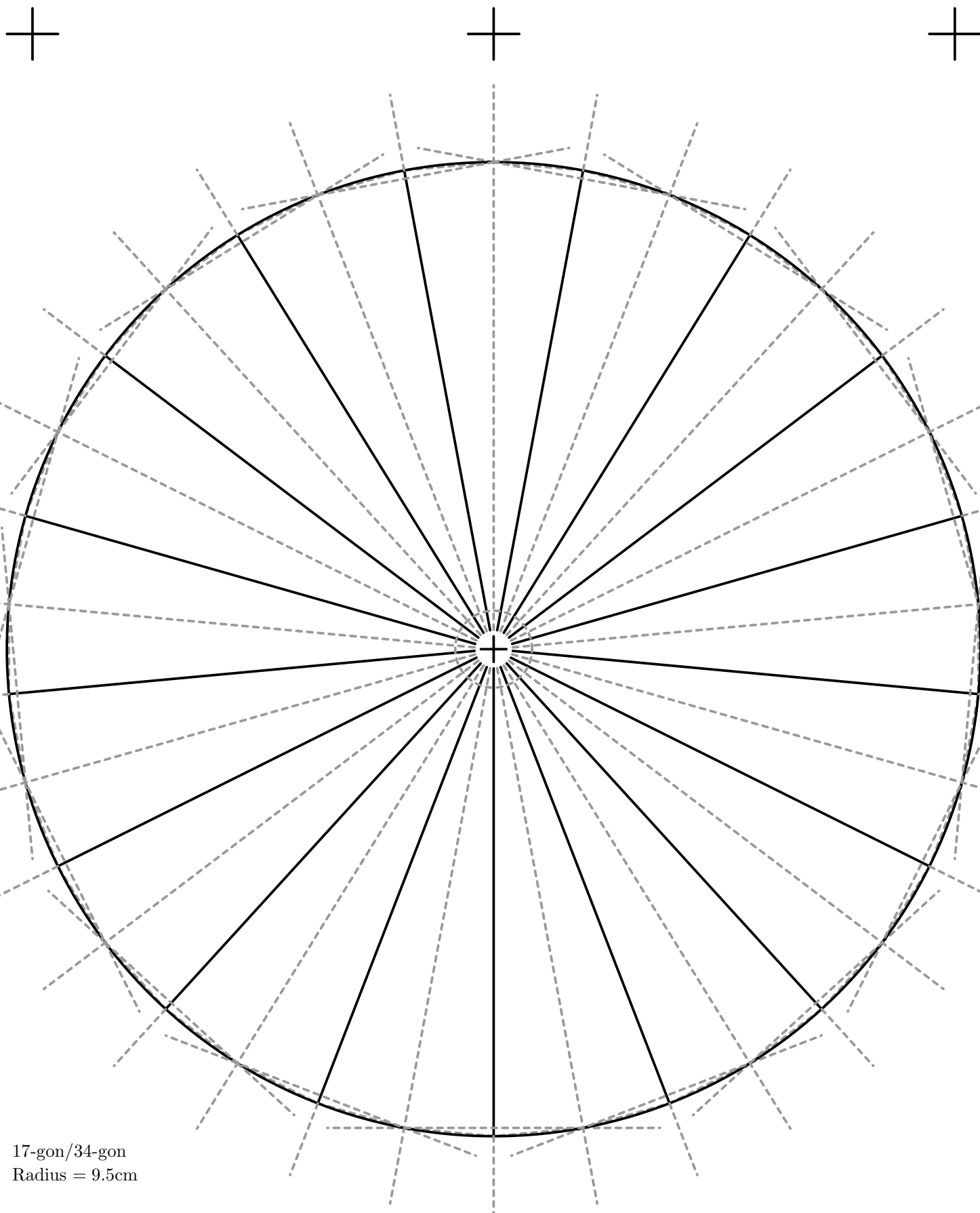




16-gon/32-gon  
Radius = 9.5cm

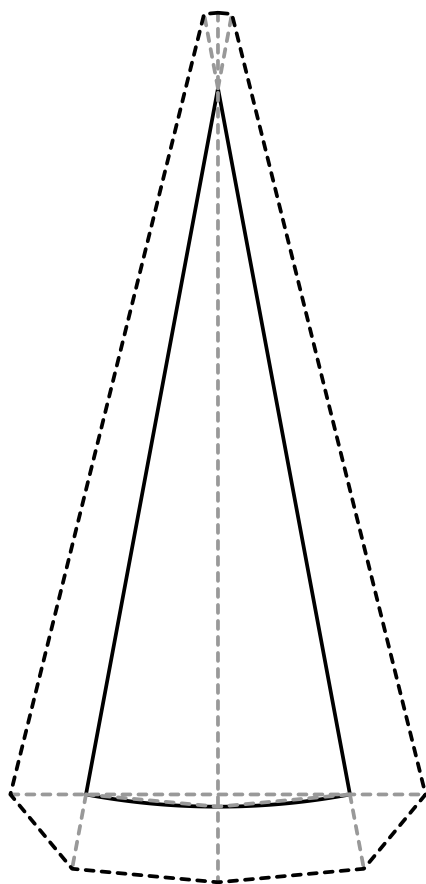
## Section 16-gon/32-gon



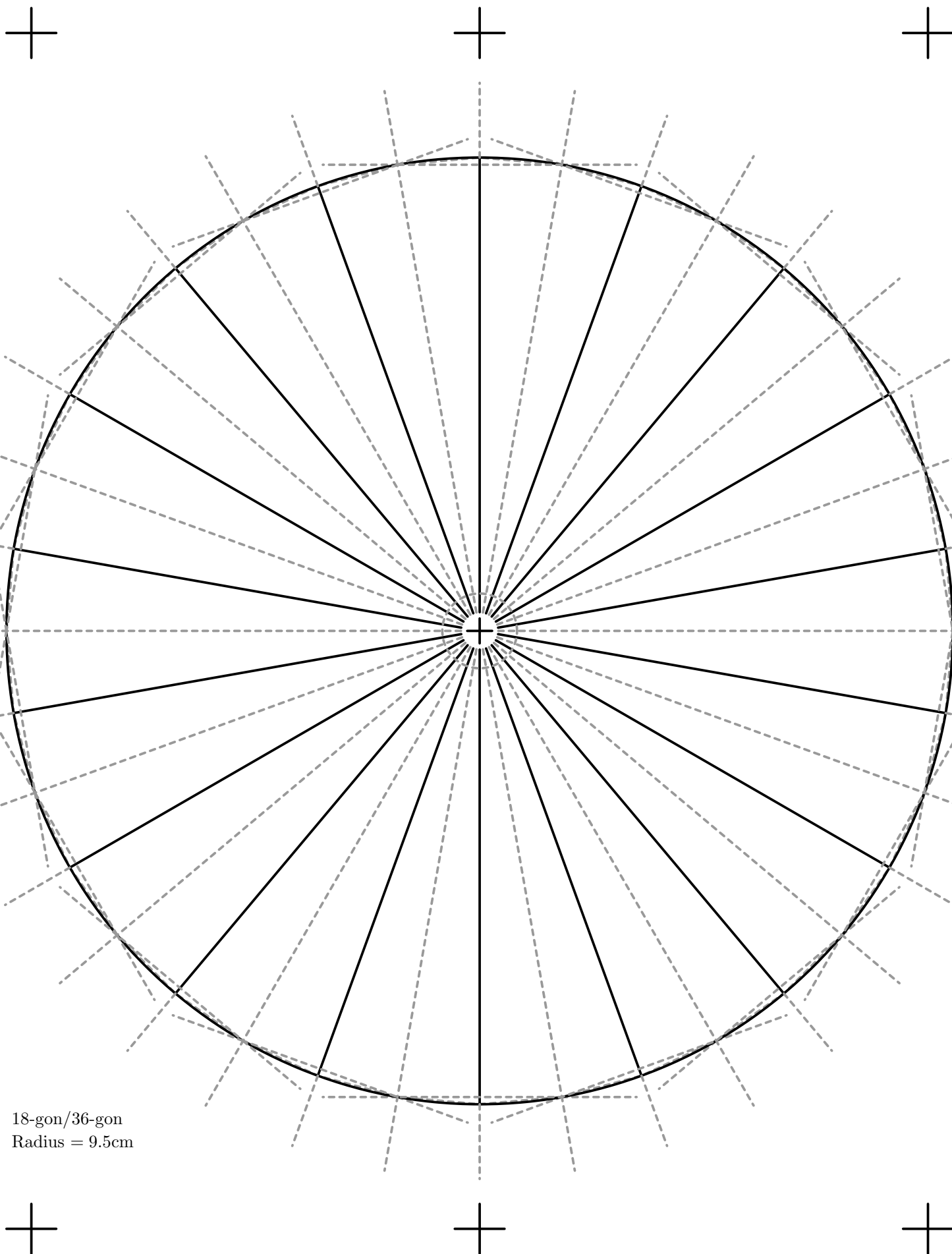


17-gon/34-gon  
Radius = 9.5cm

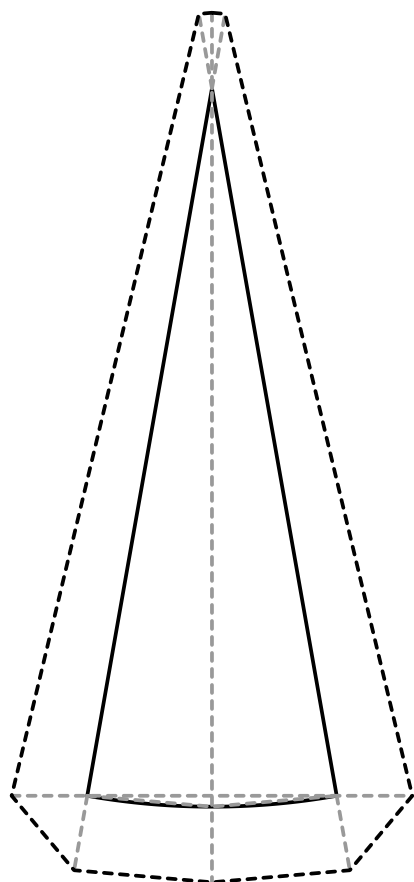
## Section 17-gon/34-gon

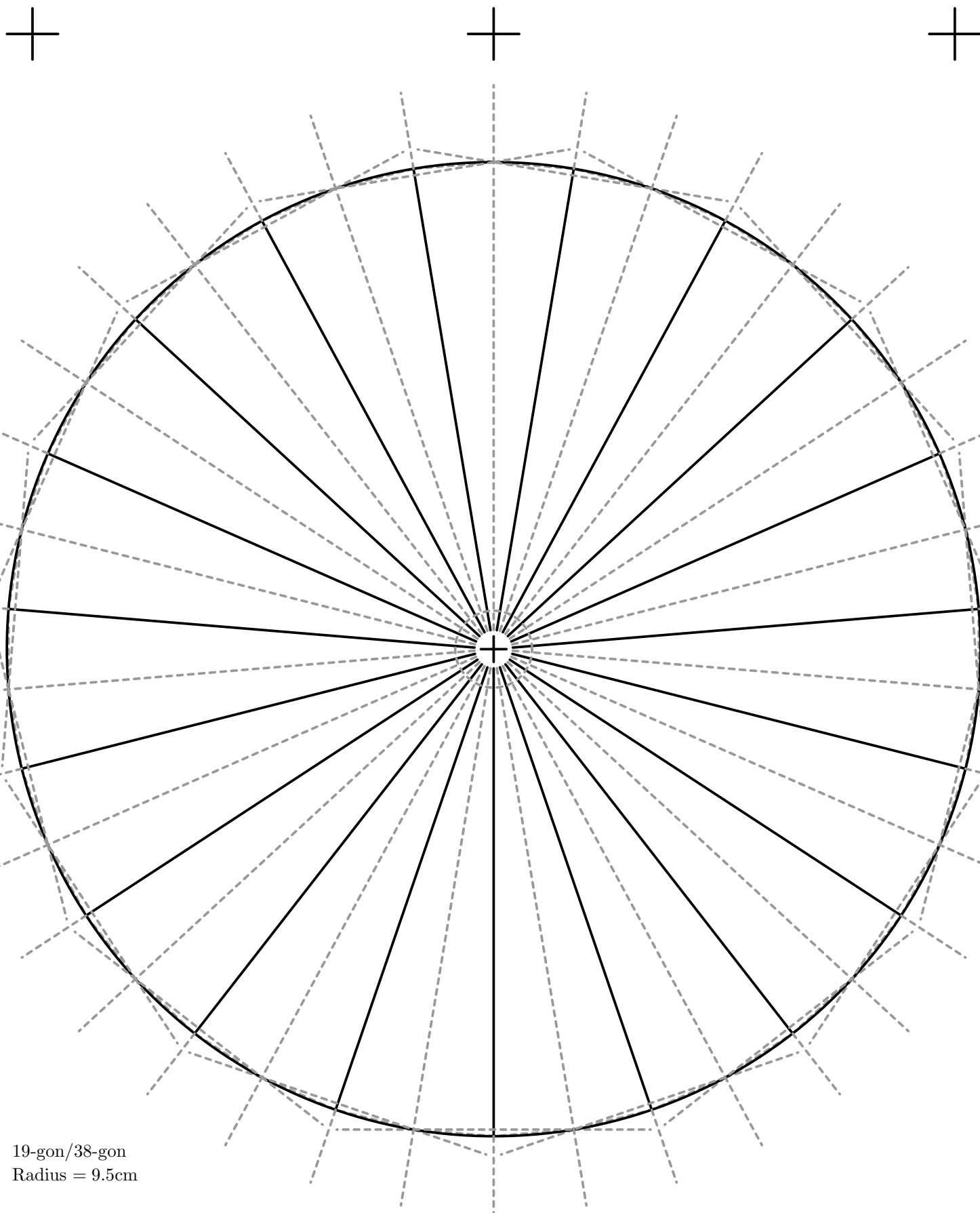






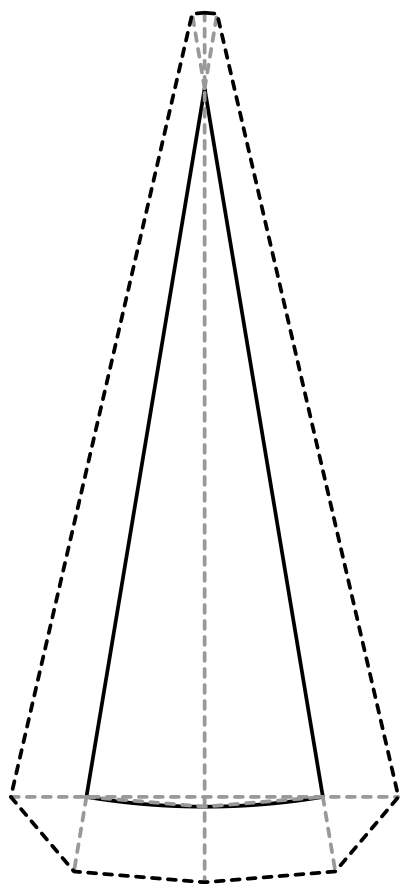
## Section 18-gon/36-gon

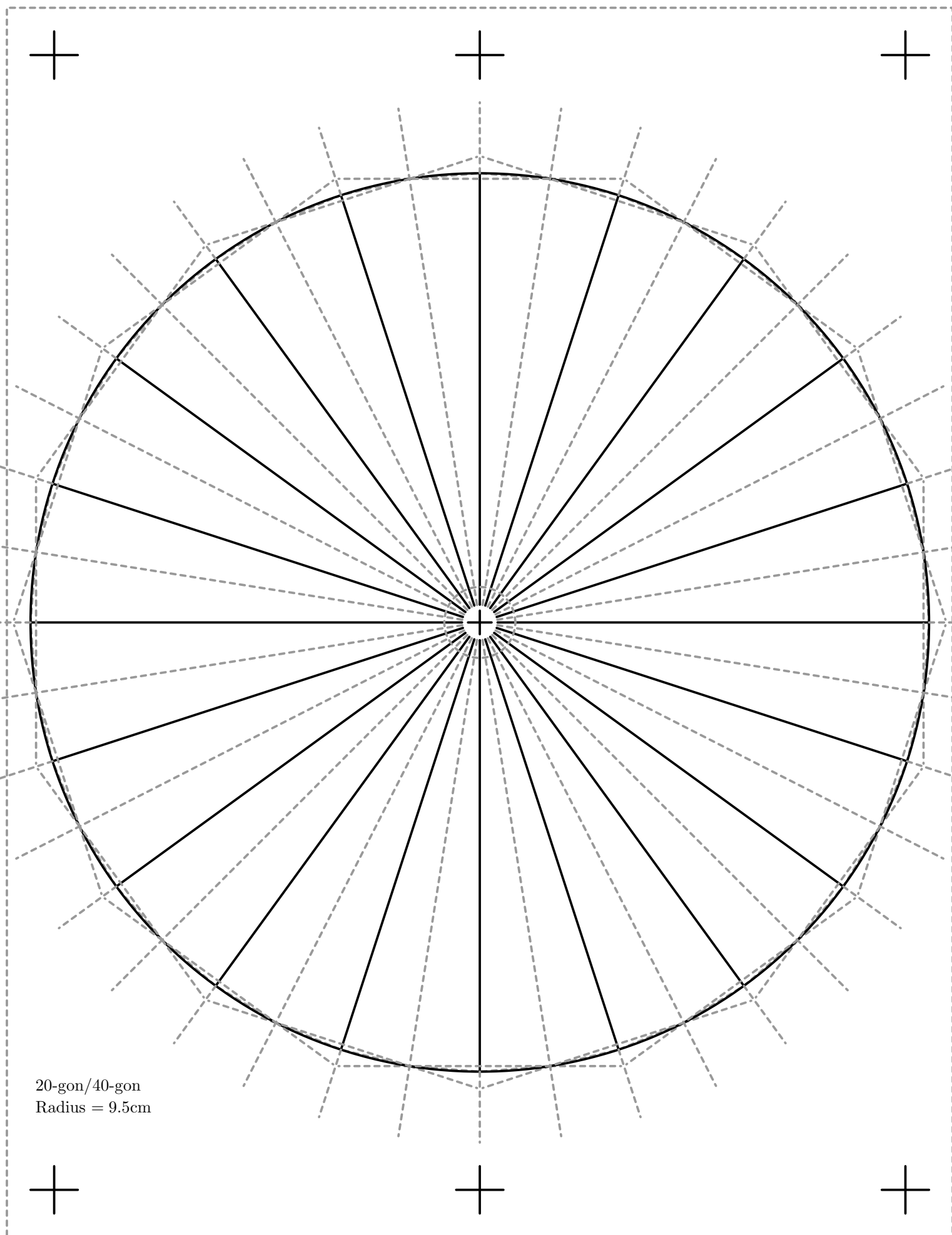




19-gon/38-gon  
Radius = 9.5cm

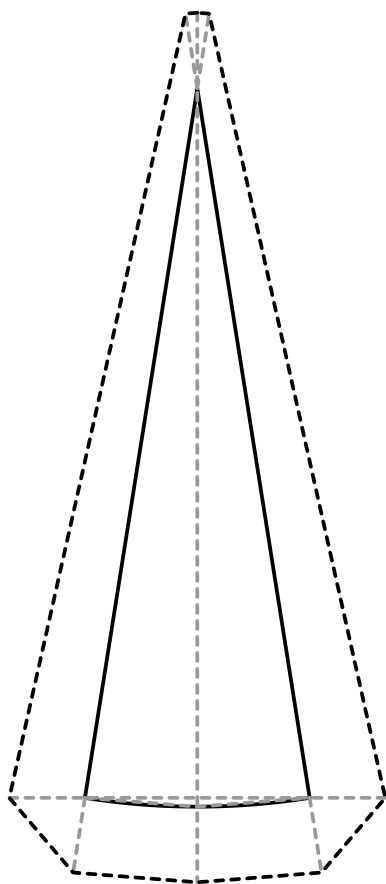
## Section 19-gon/38-gon

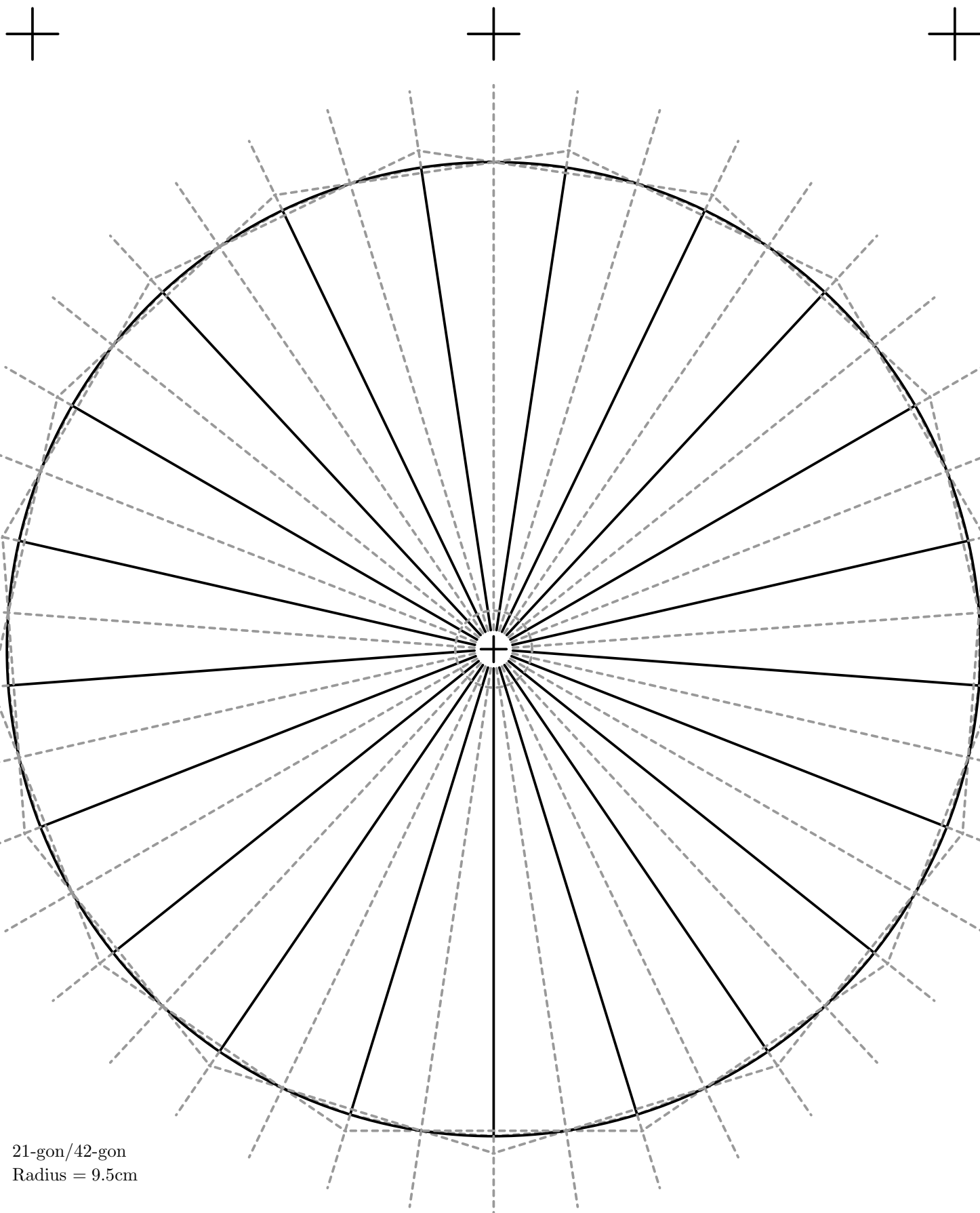




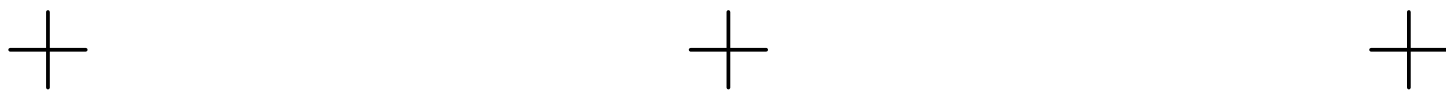
20-gon/40-gon  
Radius = 9.5cm

## Section 20-gon/40-gon

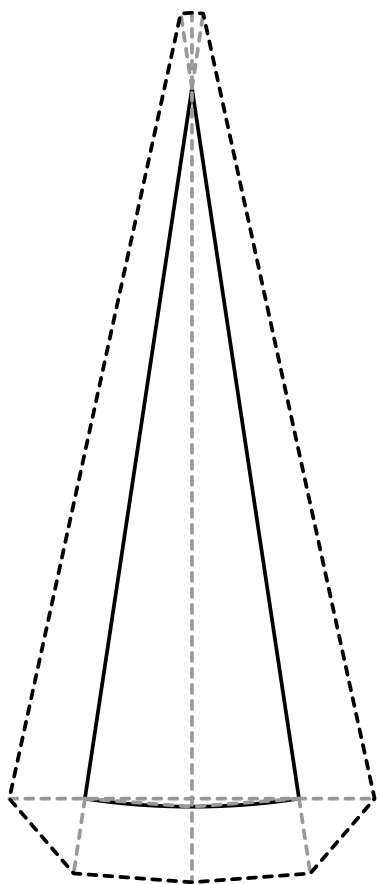




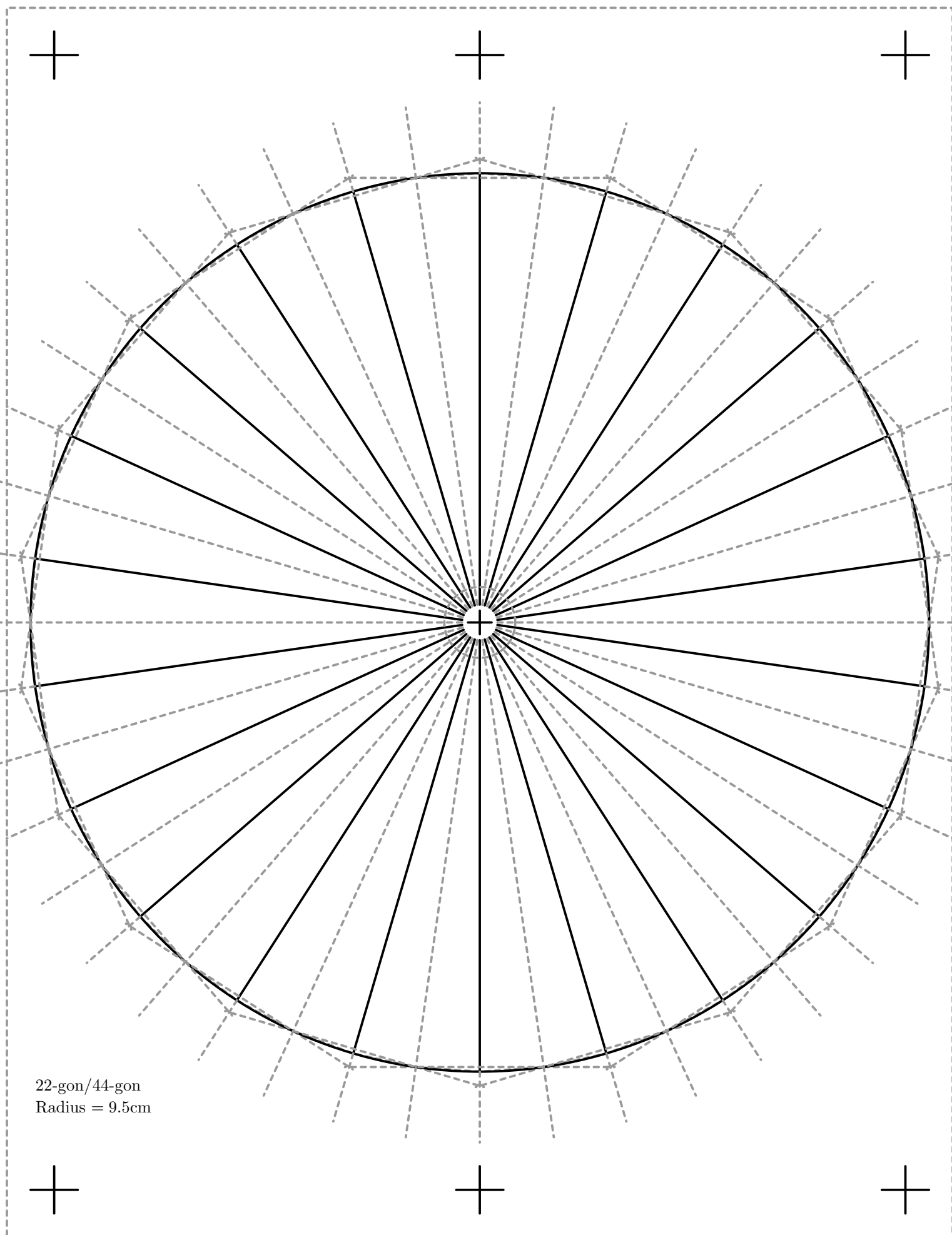
21-gon/42-gon  
Radius = 9.5cm



## Section 21-gon/42-gon







## Section 22-gon/44-gon

