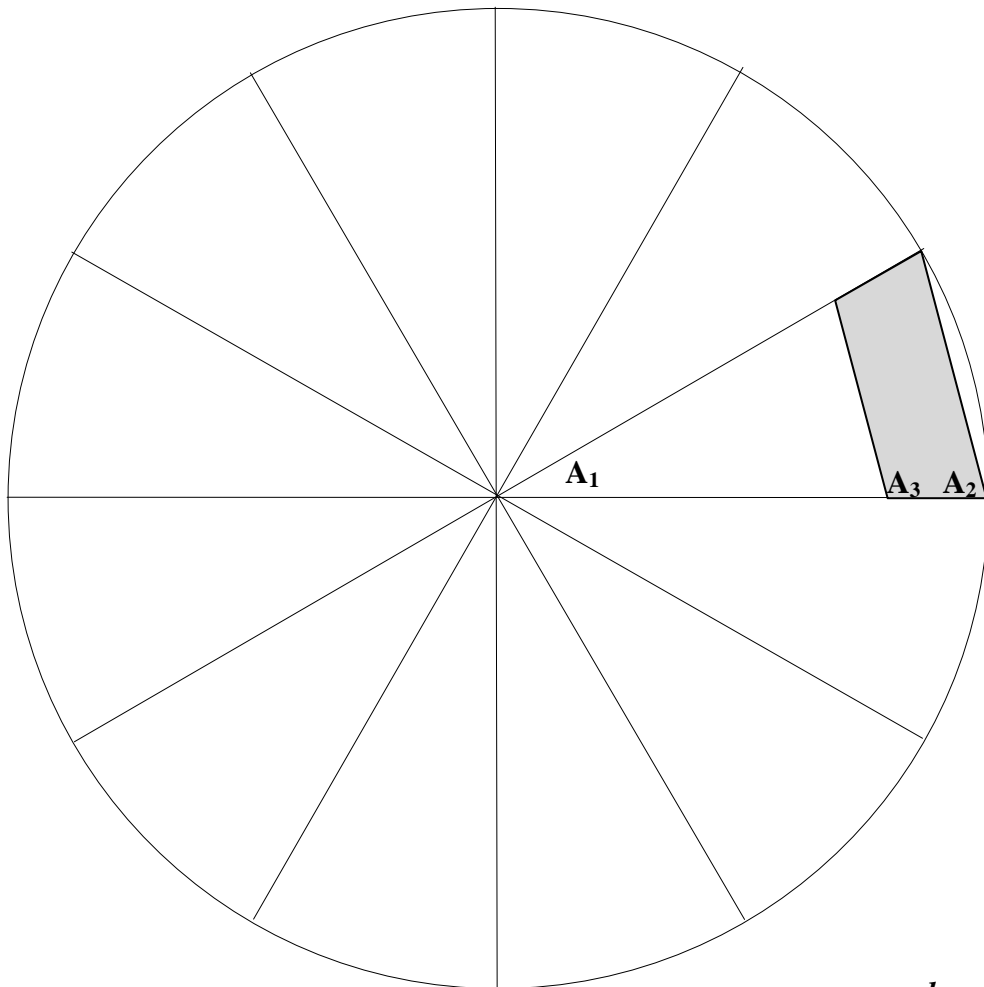


Segmentation d'un polygone



$$A_1 = 360^\circ / n$$

$$A_2 = 180^\circ - A_1 / 2$$

$$A_3 = 180^\circ - A_2$$

$$l = L - 2 \times (h / \tan A_2)$$

$$c = h / \sin A_2$$

Par exemple pour $n = 12$ côtés, $h = 2,5$ cm et $L = 3$ cm

$$A_1 = 360^\circ / n = 360^\circ / 12 = 30^\circ$$

$$A_2 = 180^\circ - 30^\circ / 2 = 150^\circ / 2 = 75^\circ$$

$$A_3 = 180^\circ - 75^\circ = 105^\circ \quad (\text{inutile})$$

$$l = L - 2 \times (h / \tan A_2) = 3 - 2 \times (2,5 / \tan 75^\circ) = 3 - 2 \times (2,5 / 3,372) = 3 - 2 \times (0,741)$$

$$= 3 - 1,483 = 1,517 \text{ cm} \quad (\text{inutile})$$

$$c = h / \sin A_2 = 2,5 / 0,966 = 2,588 \text{ cm} \quad (\text{inutile})$$

