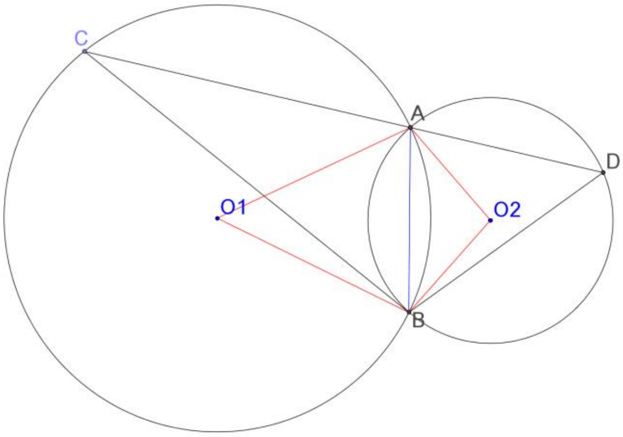
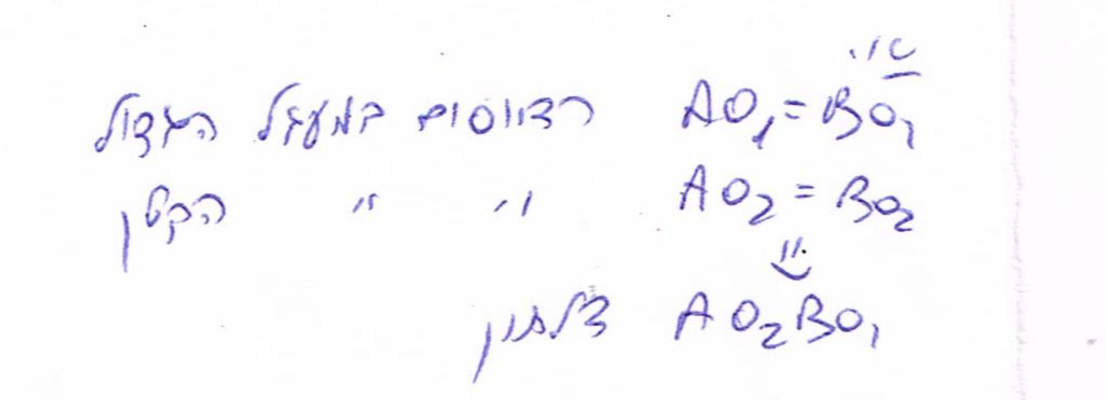
5 1.88





א.

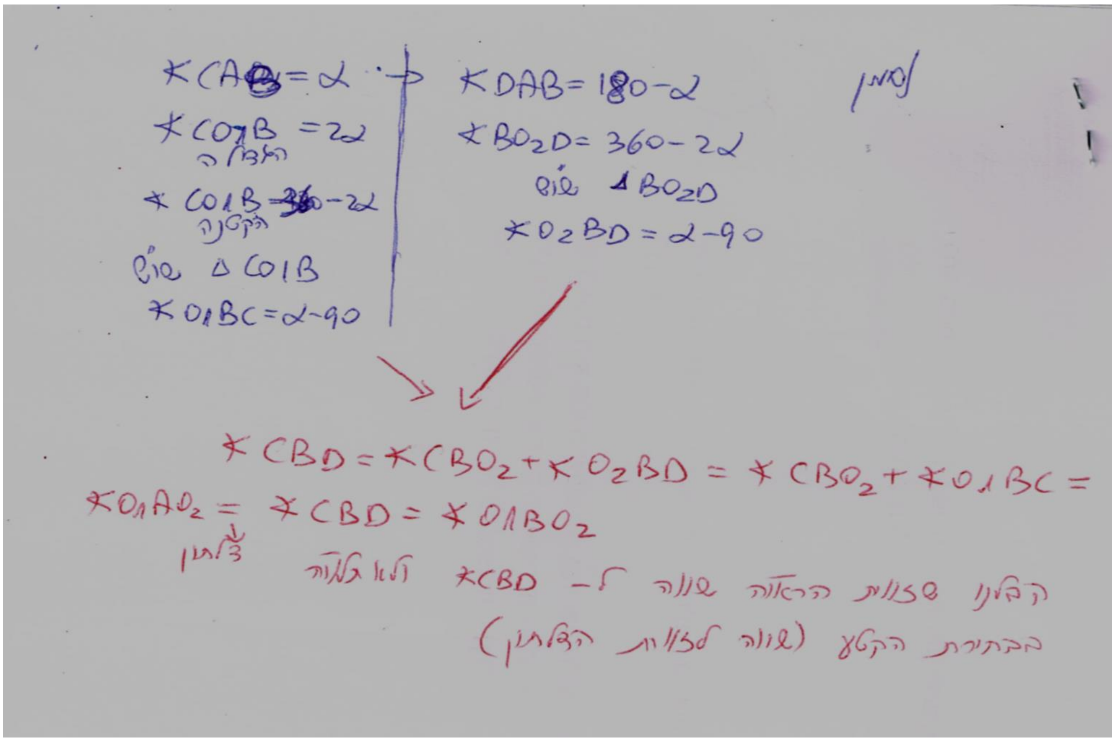
$AO_1 = BO_1$ רדיוסים במעגל הגדול

$AO_2 = BO_2$ " " הקטן

$\Downarrow$

AO_2BO_1 דלתון

ב.



נסמן

$\measuredangle CAB = \alpha \rightarrow \measuredangle DAB = 180 - \alpha$

$\measuredangle CO_1B = 2\alpha$ הגדולה

$\measuredangle CO_1B = 360 - 2\alpha$ הקטנה

שו״ש $\triangle CO_1B$

$\measuredangle O_1BC = \alpha - 90$

$\measuredangle BO_2D = 360 - 2\alpha$

שו״ש $\triangle BO_2D$

$\measuredangle O_2BD = \alpha - 90$

$\measuredangle CBD = \measuredangle CBO_2 + \measuredangle O_2BD = \measuredangle CBO_2 + \measuredangle O_1BC =$

$\measuredangle O_1AO_2 \underset{\text{דלתון}}{=} \measuredangle CBD = \measuredangle O_1BO_2$

קיבלנו שזווית הראייה שווה ל- $\measuredangle CBD$ ללא תלות

בבחירת הקטע (שווה לזווית הדלתון)