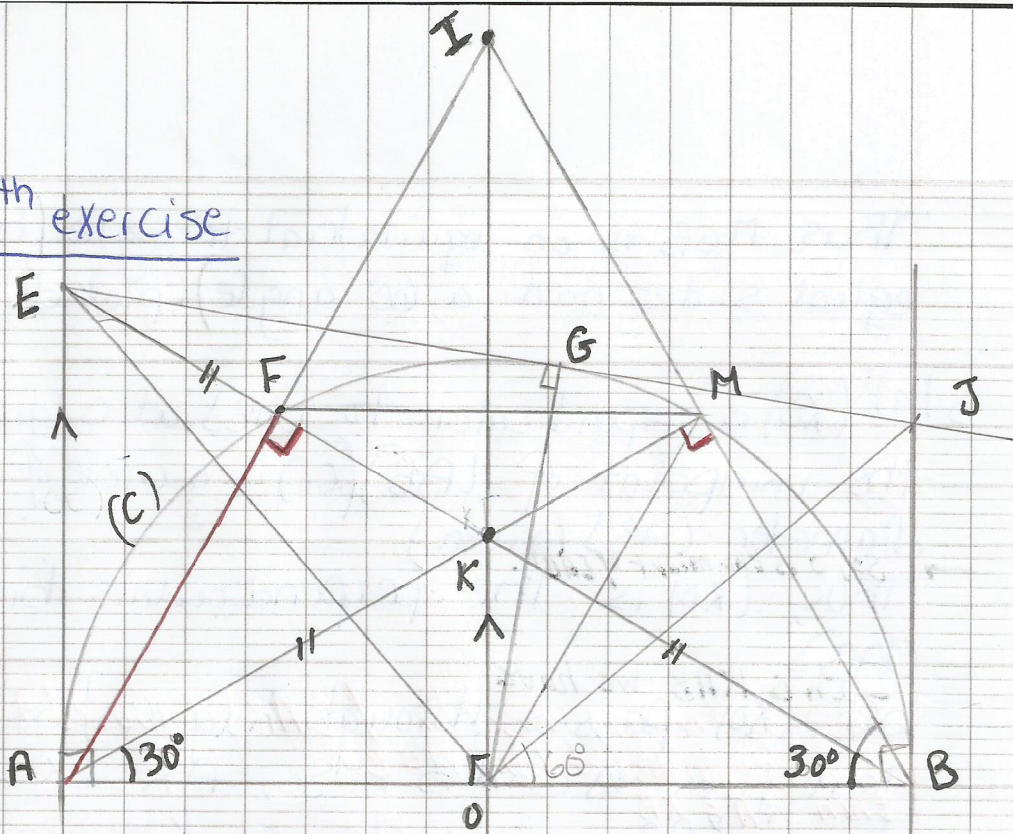


4<sup>th</sup> exercise



2)  $\widehat{MAB}$  is an inscribed angle intercepting arc  $\widehat{MB}$  (given - A, M, and B are points of (c))

So,  $\widehat{MAB} = \frac{\text{mes } \widehat{MB}}{2}$   
 $\text{mes } \widehat{MB} = 2(30^\circ)$  [given]  
 $\text{mes } \widehat{MB} = 60^\circ$

$\widehat{MOB}$  is a central angle intercepting arc  $\widehat{MB}$  (given - O is the center of (c) and M, and B are points of (c))

So,  $\widehat{MOB} = \text{mes } \widehat{MB}$   
 $\widehat{MOB} = 60^\circ$

and  $OM = OB$  (radii in (c) are equal - given ①)