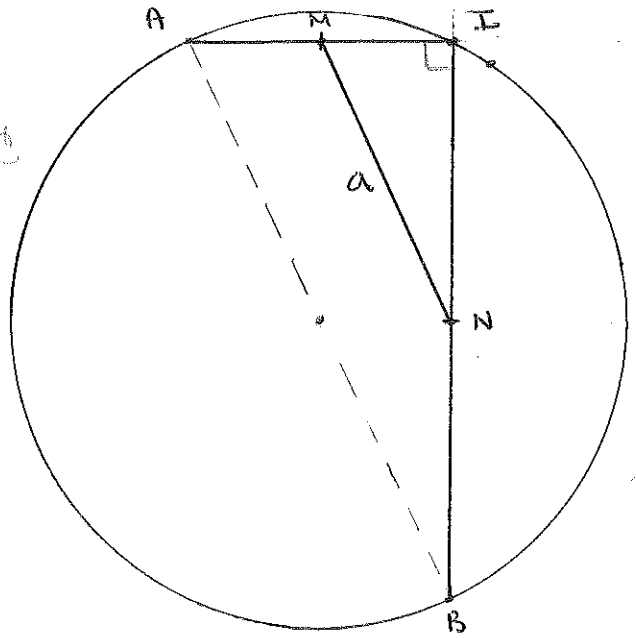
Larry Mona
HW # 11

Group work on the last page!

19.



Thale's thm: Says if AB is the diameter of circle C, then ~~~~ for any point I, on the circle $\measuredangle AIB = 90$.
(Biconditional statement)

Thale's thm: AB is the diameter, thus
OA = radius of C = OB

$\frac{MI}{NI} = \frac{AI}{BI}$ and they (both $\triangle$'s MIN and AIN) share

yes!
Have right angle so they are similar thus

$\frac{MI}{AI} = \frac{a}{AB}$, but $\frac{MI}{AI} = \frac{1}{2}$, thus

$\frac{a}{AB} = \frac{1}{2}$ and $AB = 2a$ ✓

Q.E.D