1. If point $A$ is the center of the circle, what must be true of $m\angle MNO$? Justify your answer.

\[ \angle MNO \text{ must be a } 90^\circ \text{ angle because } \angle MAO \text{ is on the other side of the triangle.} \]

2. Explain how to find the $m\angle NOM$.

A triangle is 180$^\circ$ in total and $\angle MNO$ is 90$^\circ$ so do $180^\circ = 90^\circ - 38^\circ$ to find out that $m\angle NOM$ is 52$^\circ$. 