

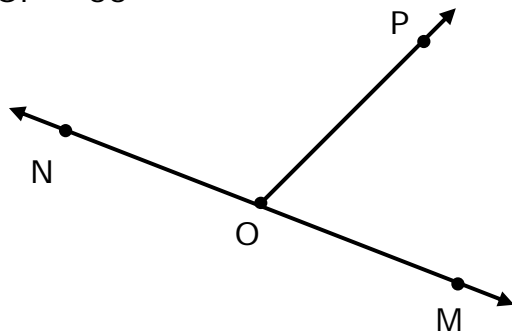
Name _____

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Geometric Proofs On Lines and Angles - Step-by-Step Lesson

Given line $\angle MON$, $m\angle NOP = 125^\circ$

Prove $m\angle MOP = 55^\circ$



Explanation:

We can see that $\angle NOP$ and $\angle MOP$ are forming linear pair, so they are supplementary to each other.

$$m\angle MON = m\angle NOP + m\angle MOP$$

$$180^\circ = 125^\circ + m\angle MOP$$

Line MON

$$m\angle MON = 180^\circ$$

$$m\angle NOP = 125^\circ$$

$$55^\circ = m\angle MOP$$

