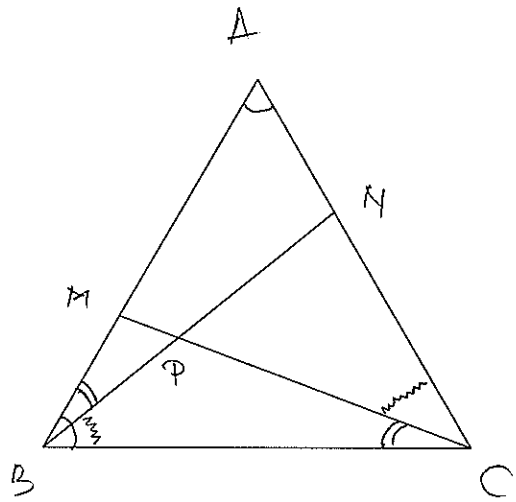

$\hat{BAM} \equiv \hat{MBC} = 60^\circ$

$BM \equiv AM$

$AB \equiv BC.$

$\Rightarrow \Delta BAM \equiv \Delta CBM. \Rightarrow$

$\Rightarrow \hat{MBA} \equiv \hat{BCM}.$

$\hat{BCM} \equiv \hat{CAM} = 60^\circ$

$AC \equiv BC.$

$MC \equiv AM$

$\Rightarrow \Delta BCM \equiv \Delta CAM \Rightarrow$

$\Rightarrow \hat{MBC} \equiv \hat{ACM}$

Dar $\hat{ACM} + \hat{BCM} = 60^\circ \Rightarrow \hat{MBA} + \hat{MBC} = 60^\circ$

În $\Delta BPC \Rightarrow \hat{BPC} = 180^\circ - 60^\circ = 120^\circ$

Dar B, P, M coliniare $\Rightarrow \hat{MPC} = 180^\circ - \hat{BPC} = 60^\circ$

$\Rightarrow \boxed{\hat{MPC} = 60^\circ}$