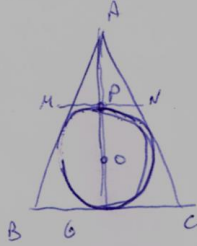


1.106  
S



$$AB = \sqrt{6^2 + 8^2} = 10$$

•10  
P1373 73 73P 737273 n72 73 7373

$$\frac{8 \cdot 12}{2} = \frac{r}{2} (10 + 10 + 12) \rightarrow \boxed{r = 3}$$

$$\left. \begin{aligned} \frac{AP}{8} &= \frac{AM}{AB} = \frac{MN}{12} \\ AP &= 8 - 2r = 2 \end{aligned} \right\} \frac{2}{8} = \frac{MN}{12}$$

$$\boxed{MN = 3}$$

•P