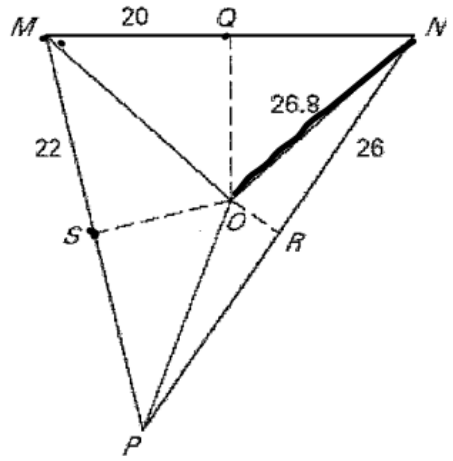
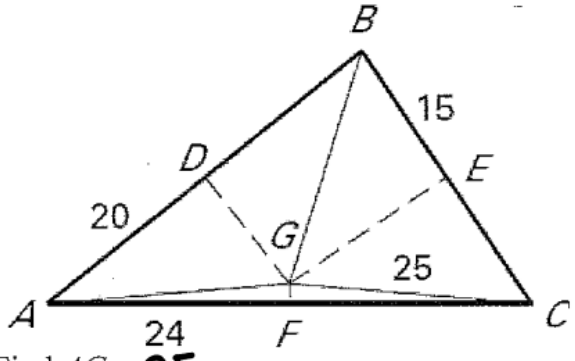
In the diagram, the perpendicular bisectors of ΔMNP meet at point O and are shown dashed. Find the indicated measure.



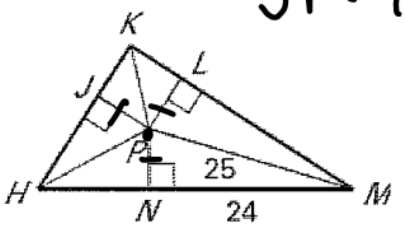
1. Find MO. 26.8
2. Find PR. 26
3. Find MN. 40
4. Find SP. 44
5. Find QN. 20
6. Find MP. 44

In the diagram, the perpendicular bisectors of ΔABC meet at point G and are shown dashed. Find the indicated measure.



7. Find AG. 25
8. Find BD. 20
9. Find CF. 24
10. Find BG. 25
11. Find CE. 15
12. Find AC. 48

16. Point P is the incenter of $\triangle HKM$. Find JP.



JP: 7

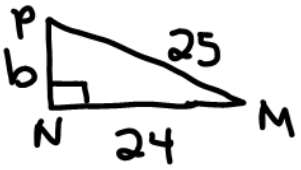
$a^2+b^2=c^2$

$24^2+b^2=25^2$

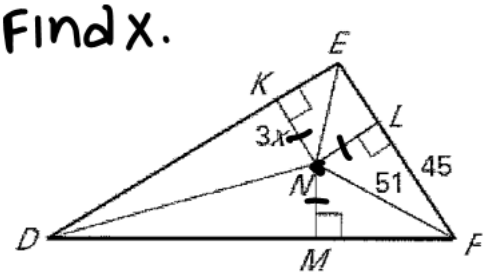
$576+b^2=625$

$b^2=49$

$b=7=PN$



17. N is incenter of $\triangle DEF$. Find x.



$KN=3x=24$

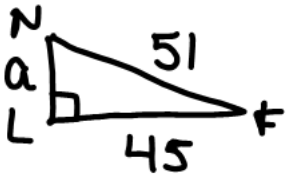
$x=8$

$a^2+45^2=51^2$

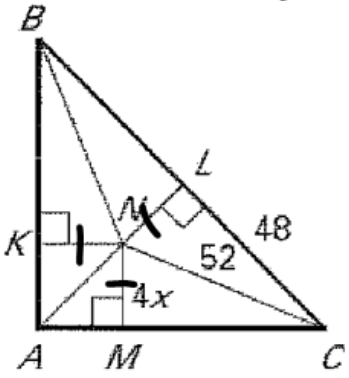
$a^2+2025=2601$

$a^2=576$

$a=24=LN$



18. N is incenter of $\triangle ABC$. Find x.



$MN=4x=20$

$x=5$

$a^2+48^2=52^2$

$a^2+2304=2704$

$a^2=400$

$a=20=LN$