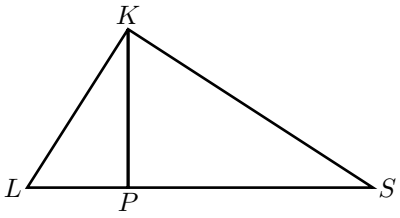
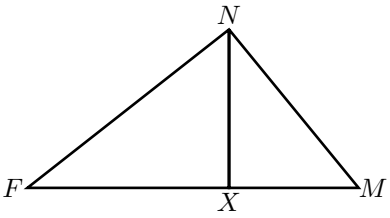
Name:_____CLASS WORK

6.8 - geoMetricMean Easier- CW #:_____

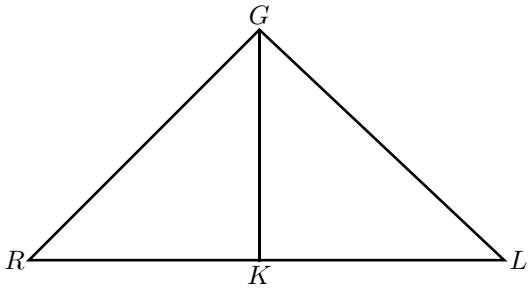
1. In the diagram below, $\triangle LKS$ is drawn with $\angle K$ equal to 90°, and altitude $\overline{PK}$. Given that $LP = 7$ and $PS = 17$, find PK. Round your answer to the nearest whole number.



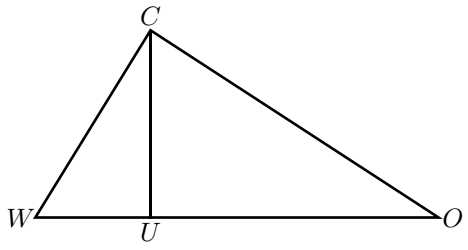
2. In the diagram below, $\triangle FNM$ is drawn with $\angle N$ equal to 90°, and altitude $\overline{XN}$. Given that $FX = 14$ and $XM = 9$, find XN. Round your answer to the nearest whole number.



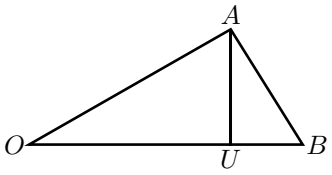
3. In the diagram below, $\triangle RGL$ is drawn with $\angle G$ equal to 90°, and altitude $\overline{KG}$. Given that $RK = 16$ and $KL = 17$, find KG. Round your answer to the nearest whole number.



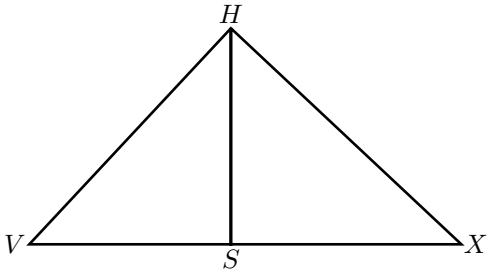
4. In the diagram below, $\triangle WCO$ is drawn with $\angle C$ equal to $90°$, and altitude $\overline{UC}$. Given that $WU = 8$ and $UO = 20$, find UC. Round your answer to the nearest whole number.



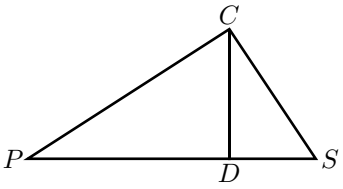
5. In the diagram below, $\triangle OAB$ is drawn with $\angle A$ equal to $90°$, and altitude $\overline{UA}$. Given that $OU = 14$ and $UA = 8$, determine the length of UB. Round your answer to the nearest whole number.



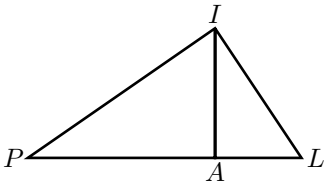
6. In the diagram below, $\triangle VHX$ is drawn with $\angle H$ equal to $90°$, and altitude $\overline{SH}$. Given that $SX = 16$ and $SH = 15$, determine the length of VS. Round your answer to the nearest whole number.



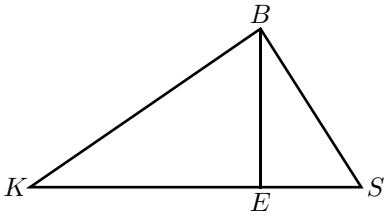
7. In the diagram below, $\triangle PCS$ is drawn with $\angle C$ equal to $90°$, and altitude $\overline{DC}$. Given that $DS = 6$ and $DC = 9$, determine the length of PD. Round your answer to the nearest whole number.



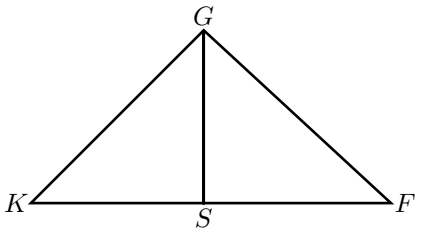
8. In the diagram below, $\triangle PIL$ is drawn with $\angle I$ equal to $90°$, and altitude $\overline{AI}$. Given that $PA = 13$ and $AI = 9$, determine the length of AL. Round your answer to the nearest whole number.



9. In the diagram below, $\triangle KBS$ is drawn with $\angle B$ equal to $90°$, and altitude $\overline{EB}$. Given that $KS = 23$ and $KE = 16$, determine the length of EB. Round your answer to the nearest whole number.



10. In the diagram below, $\triangle KGF$ is drawn with $\angle G$ equal to $90°$, and altitude $\overline{SG}$. Given that $KF = 25$ and $SF = 13$, determine the length of SG. Round your answer to the nearest whole number.



Name:_____CLASS WORK

6.8 - geoMetricMean Easier- CWAnswers #:_____

1. $PK = 11$

2. $XN = 11$

3. $KG = 16$

4. $UC = 13$

5. $UB = 5$

6. $VS = 14$

7. $PD = 14$

8. $AL = 6$

9. $EB = 11$

10. $SG = 12$