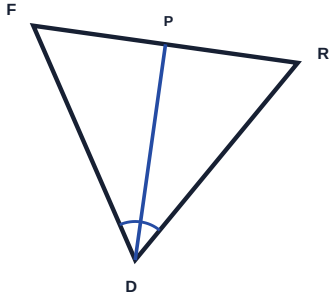


Triangle Angle Bisectors

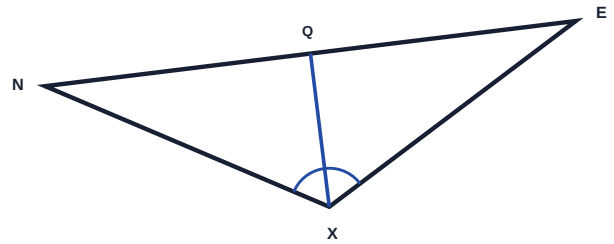
Use equal angle halves, perpendicular incenter distances, and right-triangle relationships to find each missing measure.

1. angle FDR = 63 deg. Find angle FDP.



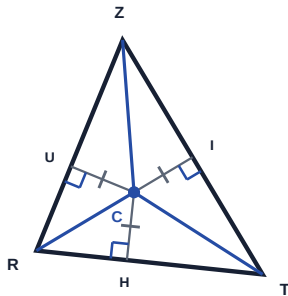
angle FDP = _____

2. angle NXQ = 60 deg. Find angle NXE.



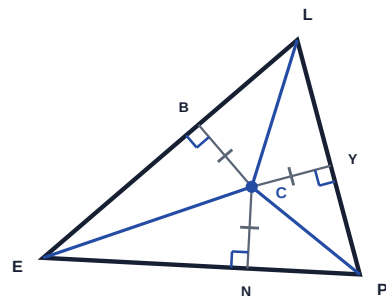
angle NXE = _____

3. CH = 6 and RC = 10. Find RH.



RH = _____

4. CN = 8 and EN = 20. Find EC.

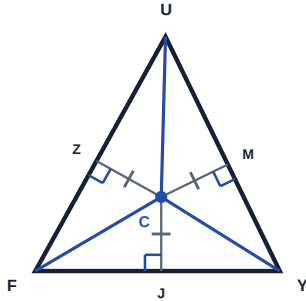


EC = _____

Triangle Angle Bisectors

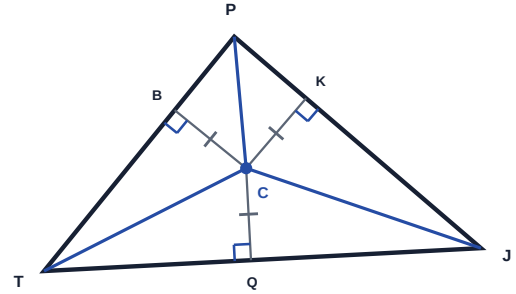
Use equal angle halves, perpendicular incenter distances, and right-triangle relationships to find each missing measure.

5. $CJ = 10$ and $FJ = 17$. Find FC .



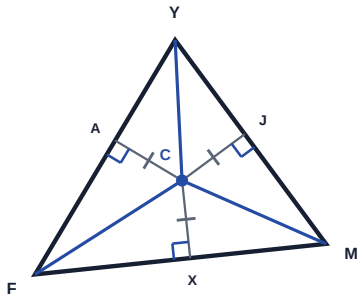
$FC =$ _____

6. $CQ = 4$ and $TQ = 9$. Find TC .



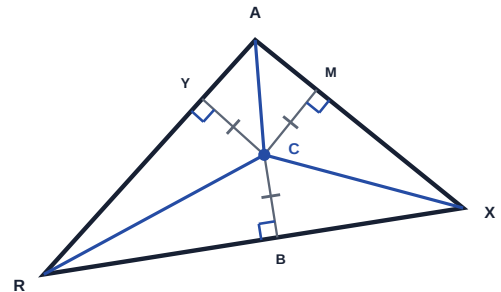
$TC =$ _____

7. $CX = 12$. Find CJ .



$CJ =$ _____

8. $CB = 4$ and $RC = 12$. Find RB .



$RB =$ _____