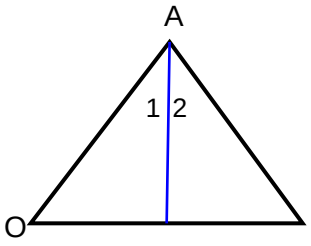
Name : _____ Score : _____

Teacher : _____ Date : _____

Triangle Angle Bisectors

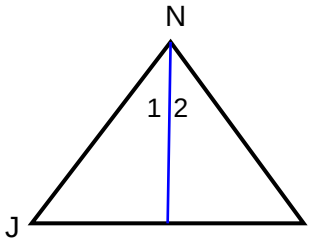
Each triangle has one of its angle bisectors drawn.

1) Find m ∠ OAH°. If, m ∠ 1 = 25 °



m ∠ OAH = _____°

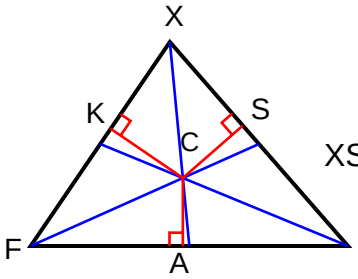
2) Find m ∠ JNB°. If, m ∠ 1 = 24.5 °



m ∠ JNB = _____°

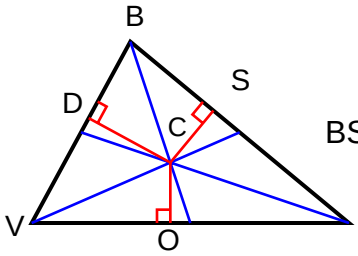
Each triangle shows its three angle bisectors intersecting at point C.

3) CS = 6 and CX = 16. Find XS.



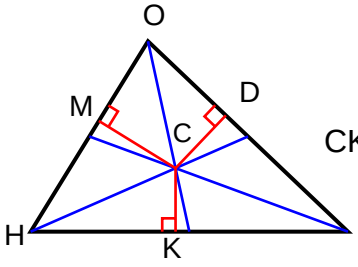
XS = _____

4) CS = 4 and CB = 15. Find BS.



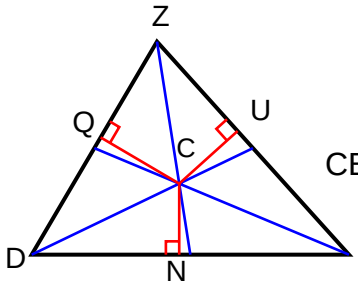
BS = _____

5) CD = 10. Find CK.



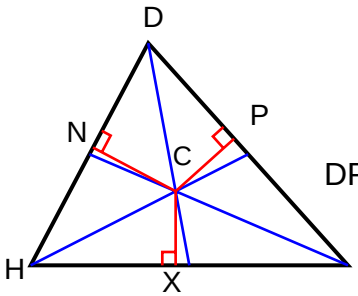
CK = _____

6) NB = 11 and CN = 3. Find CB.



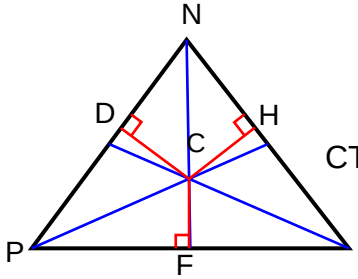
CB = _____

7) CP = 3 and CD = 17. Find DP.



DP = _____

8) FT = 12 and CF = 5. Find CT.



CT = _____

Name : _____ Score : _____

Teacher : _____ Date : _____

Triangle Angle Bisectors

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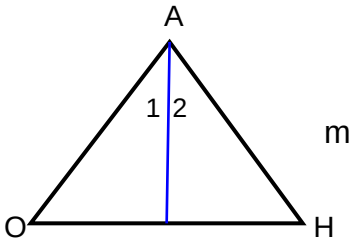
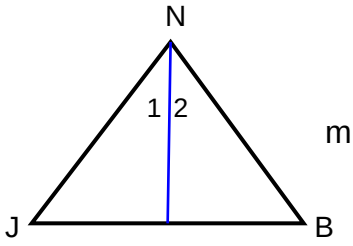
1) Find m ∠ OAH°. If, m ∠ 1 = 25 °



m ∠ OAH = 50 °

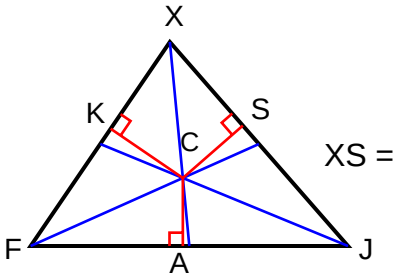
2) Find m ∠ JNB°. If, m ∠ 1 = 24.5 °



m ∠ JNB = 49 °

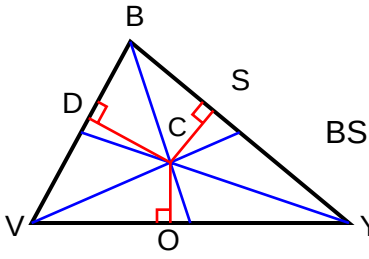
Each triangle shows its three angle bisectors intersecting at point C.

3) CS = 6 and CX = 16. Find XS.



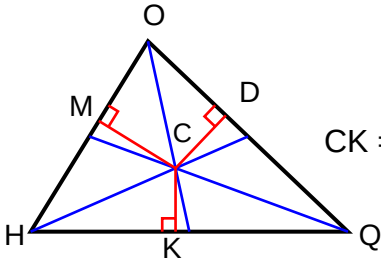
XS = 14.83

4) CS = 4 and CB = 15. Find BS.



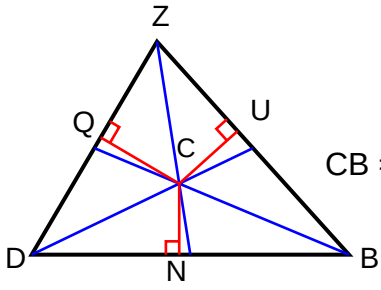
BS = 14.46

5) CD = 10. Find CK.



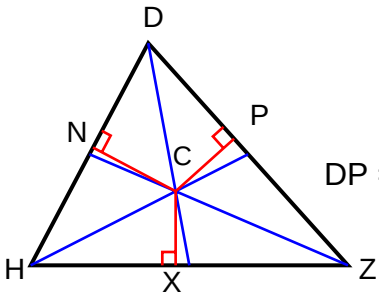
CK = 10

6) NB = 11 and CN = 3. Find CB.



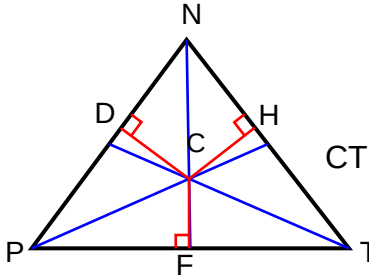
CB = 11.4

7) CP = 3 and CD = 17. Find DP.



DP = 16.73

8) FT = 12 and CF = 5. Find CT.



CT = 13