

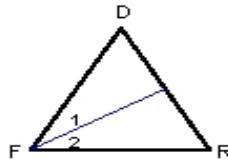
Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

### Triangle Angle Bisectors

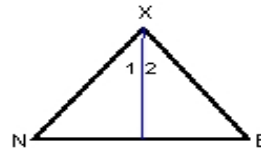
Each triangle has one of its angle bisectors drawn.

1)  $m\angle DFR = 55^\circ$ . Find  $m\angle 1$ .



$m\angle 1 = \underline{\hspace{2cm}}^\circ$

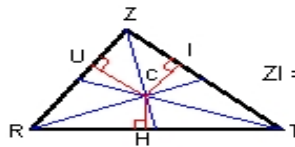
2) Find  $m\angle NXE^\circ$ . If,  $m\angle 1 = 25^\circ$



$m\angle NXE = \underline{\hspace{2cm}}^\circ$

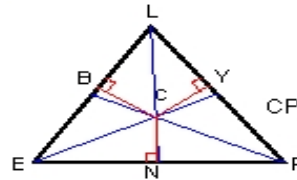
Each triangle shows its three angle bisectors intersecting at point C.

3)  $CI = 8$  and  $CZ = 17$ . Find  $ZI$ .



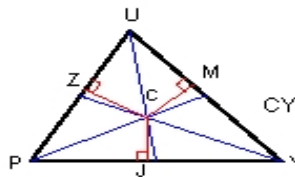
$ZI = \underline{\hspace{2cm}}$

4)  $NP = 13$  and  $CN = 6$ . Find  $CP$ .



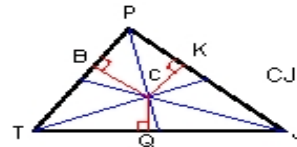
$CP = \underline{\hspace{2cm}}$

5)  $JY = 10$  and  $CJ = 4$ . Find  $CY$ .



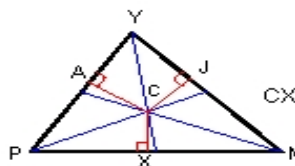
$CY = \underline{\hspace{2cm}}$

6)  $QJ = 16$  and  $CQ = 4$ . Find  $CJ$ .



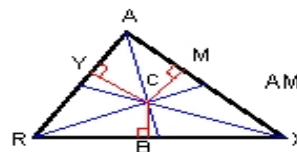
$CJ = \underline{\hspace{2cm}}$

7)  $CJ = 18$ . Find  $CX$ .



$CX = \underline{\hspace{2cm}}$

8)  $CM = 3$  and  $CA = 11$ . Find  $AM$ .



$AM = \underline{\hspace{2cm}}$

