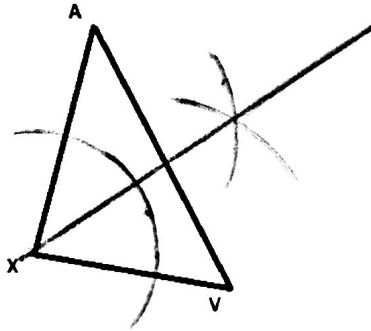


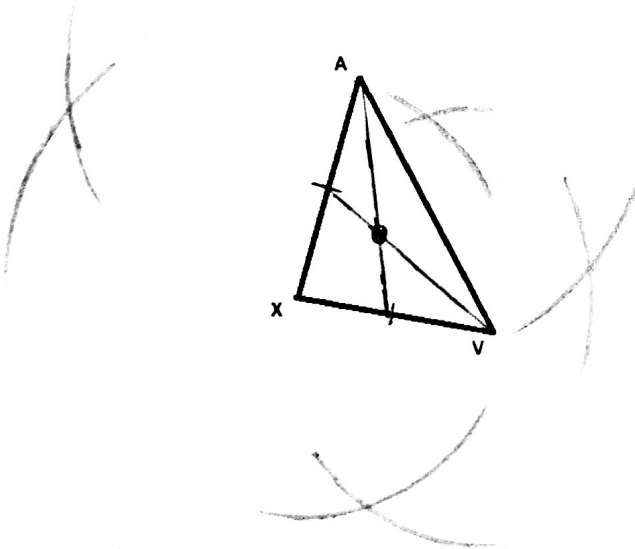
Name: \_\_\_\_\_  
Date: \_\_\_\_\_  
Class: \_\_\_\_\_

Geometry  
Unit C  
HW C-3

1) Using the following triangle create an angle bisector of  $\angle X$  (leave construction marks)



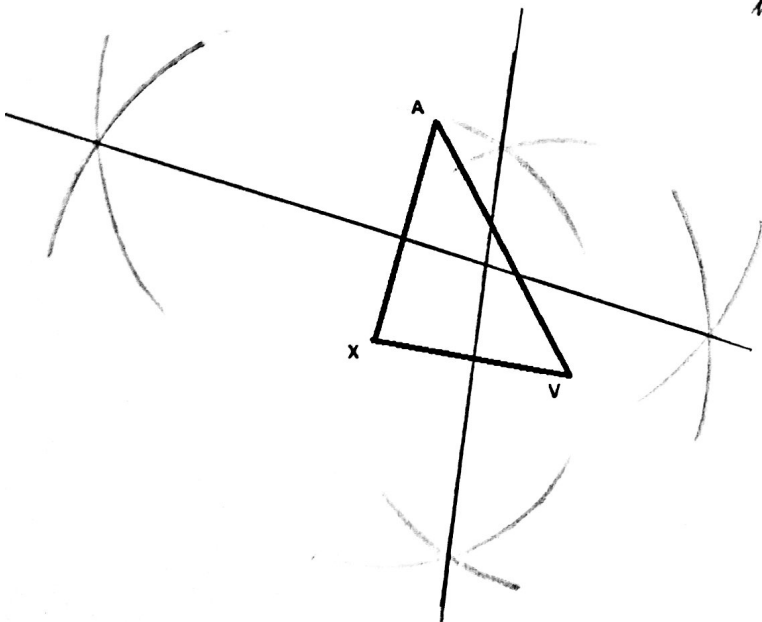
2) Using the following  $\Delta$  construct the centroid (leave construction marks)



\* need 2 medians  
\* need mdpt of 2 sides  
↑  
⊥ bisectors

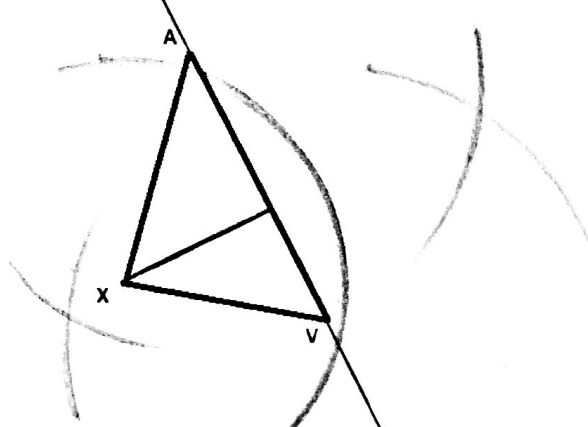
3) Using the following triangle construct the circumcenter (leave construction marks)

\* need 2 ⊥ bisectors



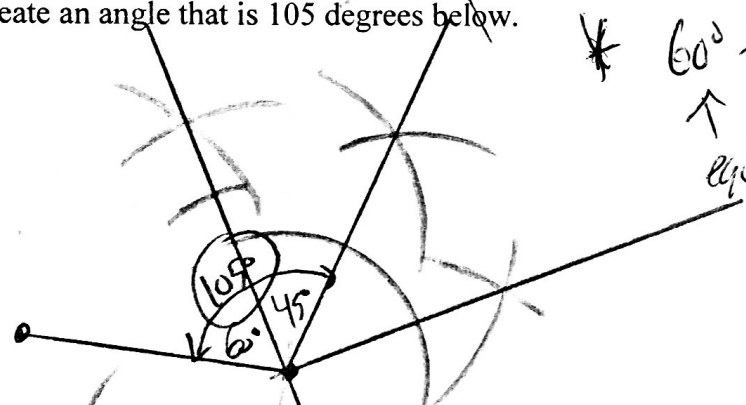
4) Using the following triangle create an altitude that starts at vertex X.

\* line  $\perp$  to  $\overline{AV}$  Through X



5) Create an angle that is 105 degrees below.

\*  $60^\circ + 45^\circ$   
 $\uparrow$  equilateral  $\nwarrow$   $\frac{1}{2}$  of  $90^\circ$



6) Create a rhombus using segment AB as a diagonal.

\* Same equilateral on each side of  $\overline{AB}$  so 4 equal sides

