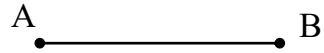


Name _____

Geometry – Construction Final Review

1. Construct a rhombus given the following conditions:
 - At least one of the angles has a measure of 150°
 - The sides have the measure of $2AB$

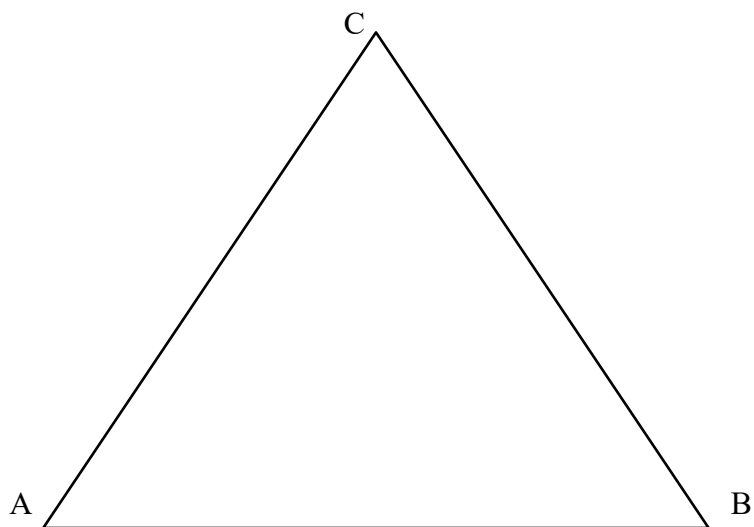


2. Construct a triangle with an angle of 75° and sides of the following measure:

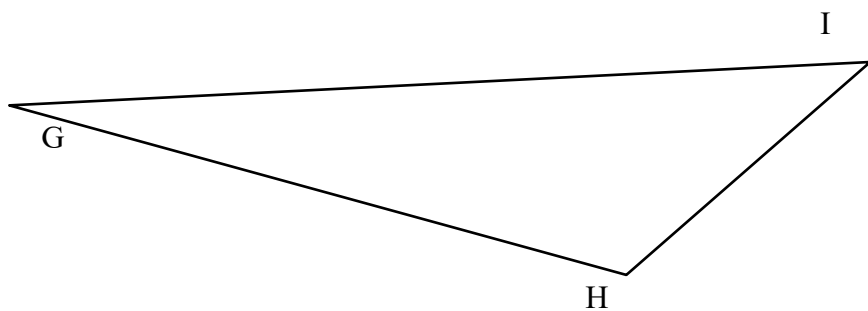
- One side having the measure of $\frac{1}{2}XY$
- One side having the measure of $\frac{3}{4}XY$



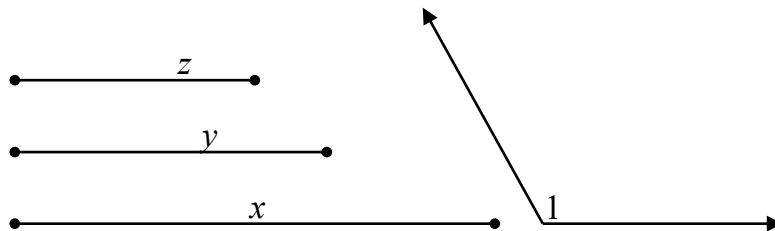
3. Construct the circumscribed circle for $\triangle ABC$.



4. Construct the orthocenter for $\triangle GHI$. (Clue: Does it have to be in the triangle?)



Use the following segments for #5-7.

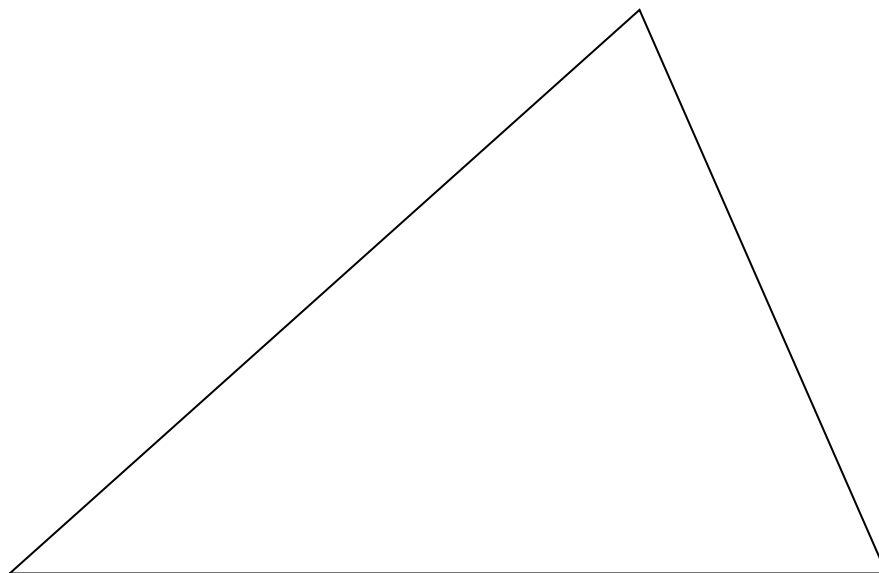


5. Construct a rectangle with sides that have a measurement of x and z .

6. Construct a triangle with an angle congruent to $\angle 1$ with sides with the measurement of x and $2y$.

7. Construct an isosceles triangle with an angle with $\frac{1}{2}m\angle 1$ and with two sides with the measurement of $2z$.

8. Use the following triangle for the following construction. Make a $\triangle ABC$ with an incenter and a centroid.



9. Draw a 165° angle.