## Chapter 3 Constructions Assignment #3

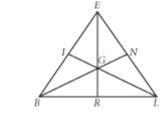
1. To find the <u>circumcenter</u> of a triangle, you have to construct the triangle's three

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2. To find the <u>incenter</u> of a triangle, you have to construct the triangle's three

3. To find the <u>orthocenter</u> of a triangle, you have to construct the triangle's three

- 4. To find the **centroid** of a triangle, you have to construct the triangle's three
- 6. Point *M* is the centroid.



7. Point *G* is the centroid.



$$= 10 ER = 36$$

$$BG = \underline{\hspace{1cm}}$$

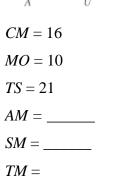


8. Point *Z* is the centroid.

$$CZ = 14$$

$$TZ = 30$$

$$RZ = AZ$$



 $UM = \underline{\hspace{1cm}}$