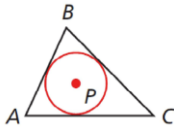


1. Complete each of the following statements using the word bank below to help you. Words may be used once, more than once, or not at all.

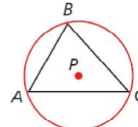
Center	Incenter	Vertices
Circumcenter	Angles	Sides

- a. The name of the point of concurrency for the angle bisectors of a triangle is called a(n) _____.
- b. The incenter of a triangle is equidistant from the _____ of the triangle.
- c. To circumscribe a circle about a triangle, you use the _____.
- d. To inscribe a circle about a triangle, you use the _____.
- e. The name of the point of concurrency for the perpendicular bisectors of a triangle is called a(n) _____.
- f. The circumcenter of a triangle is equidistant from the _____ of the triangle.

g. The diagram below illustrates a(n) _____.



h. The diagram below illustrates a(n) _____.

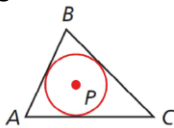


1. Complete each of the following statements using the word bank below to help you. Words may be used once, more than once, or not at all.

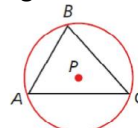
Center	Incenter	Vertices
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- a. The name of the point of concurrency for the angle bisectors of a triangle is called a(n) _____.
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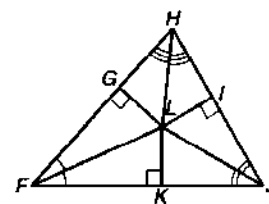
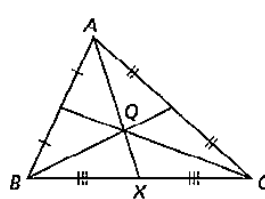
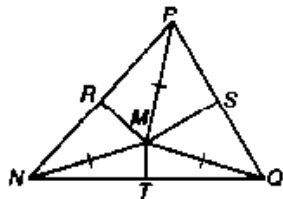
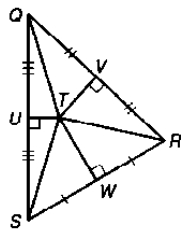
g. The diagram below illustrates a(n) _____.



h. The diagram below illustrates a(n) _____.



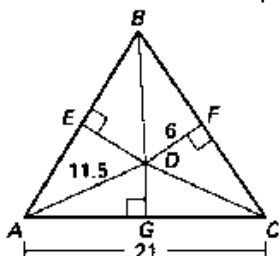
2. Classify the point of concurrency represented in each picture as either a circumcenter, incenter, or centroid.



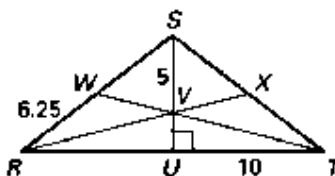
a. _____ b. _____ c. _____ d. _____

3. Identify each measure using the information given.

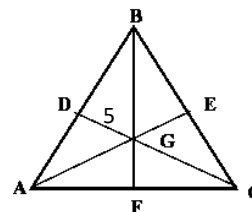
a. The perpendicular bisectors of $\triangle ABC$ are concurrent at point D.



b. Point V is the centroid of $\triangle RST$.

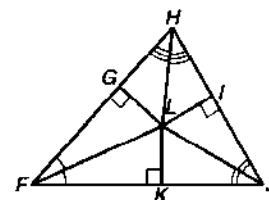
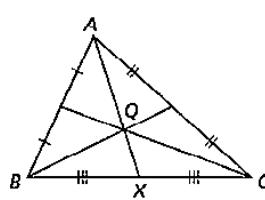
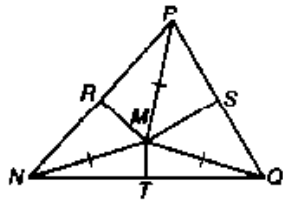
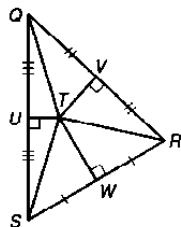


c. The medians of $\triangle ABC$ are concurrent at point G.



What is the measure of \overline{BD} ? _____ What is the measure of \overline{VU} ? _____ What is the measure of \overline{GC} ? _____

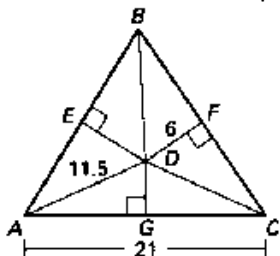
2. Classify the point of concurrency represented in each picture as either a circumcenter, incenter, or centroid.



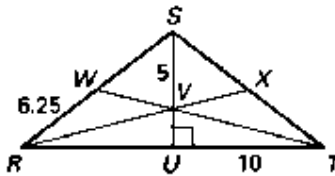
a. _____ b. _____ c. _____ d. _____

3. Identify each measure using the information given.

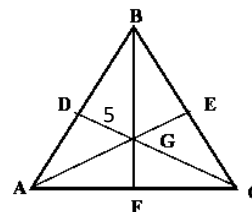
a. The perpendicular bisectors of $\triangle ABC$ are concurrent at point D.



b. Point V is the centroid of $\triangle RST$.



c. The medians of $\triangle ABC$ are concurrent at point G.



What is the measure of \overline{BD} ? _____ What is the measure of \overline{VU} ? _____ What is the measure of \overline{GC} ? _____

