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.	

more than once, or not at all.						
	Center	Incenter	Vertices	7		
	Circumcenter	Angles	Sides			
a. The name of	of the point of concurrency for the	ne angle bisectors of a trian	gle is called a(n)	·		
b. The incent	er of a triangle is equidistant fro	n the	of the triangle.			
c. To circums	cribe a circle about a triangle, yo	u use the	·			
d. To inscribe	a circle about a triangle, you use	e the	·			
	of the point of concurrency for the	ne perpendicular bisectors o	of a triangle is called a(n)			
	center of a triangle is equidistant	from the	of the triangle.			
g. The diagrai	m below illustrates a(n)	h. The dia	gram below illustrates a(n)			
A	В С	A	P _e C			
Progress Chec	k – Circumcenter, Incenter, Cent	roid (F4-F5)	Jame:			
•	each of the following statements	susing the word bank below	w to help you. Words may be us	sed once,		
	Center	Incenter	Vertices			
	Circumcenter	Angles	Sides			
			gle is called a(n)	·		
b. The incent	er of a triangle is equidistant froi	n uie	טו נוופ נוומווצופ.			

c. To circumscribe a circle about a triangle, you use the ______.

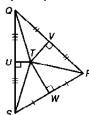
e. The name of the point of concurrency for the perpendicular bisectors of a triangle is called a(n)

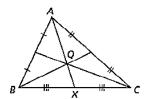
d. To inscribe a circle about a triangle, you use the ______.

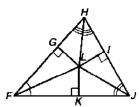
f. The circumcenter of a triangle is equidistant from the ______ of the triangle.

g. The diagram below illustrates a(n) ______. h. The diagram below illustrates a(n) ______.

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



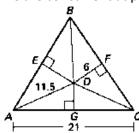




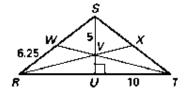
_____ c. ____

3. Identify each measure using the information given.

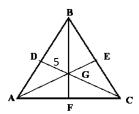
a. The perpendicular bisectors of \triangle ABC are concurrent at point D.



b. Point V is the centroid of Δ RST.

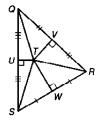


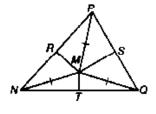
c. The medians of $\triangle ABC$ are concurrent at point G.

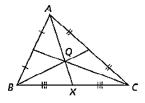


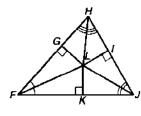
What is the measure of \overline{BD} ? _____ What is the measure of \overline{VU} ? ____ What is the measure of \overline{GC} ?

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





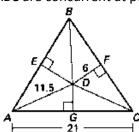




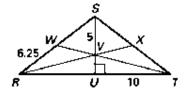
b. _____ c. ____

3. Identify each measure using the information given.

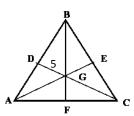
a. The perpendicular bisectors of \triangle ABC are concurrent at point D.



b. Point V is the centroid of Δ RST.



c. The medians of ΔABC 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} ? _____