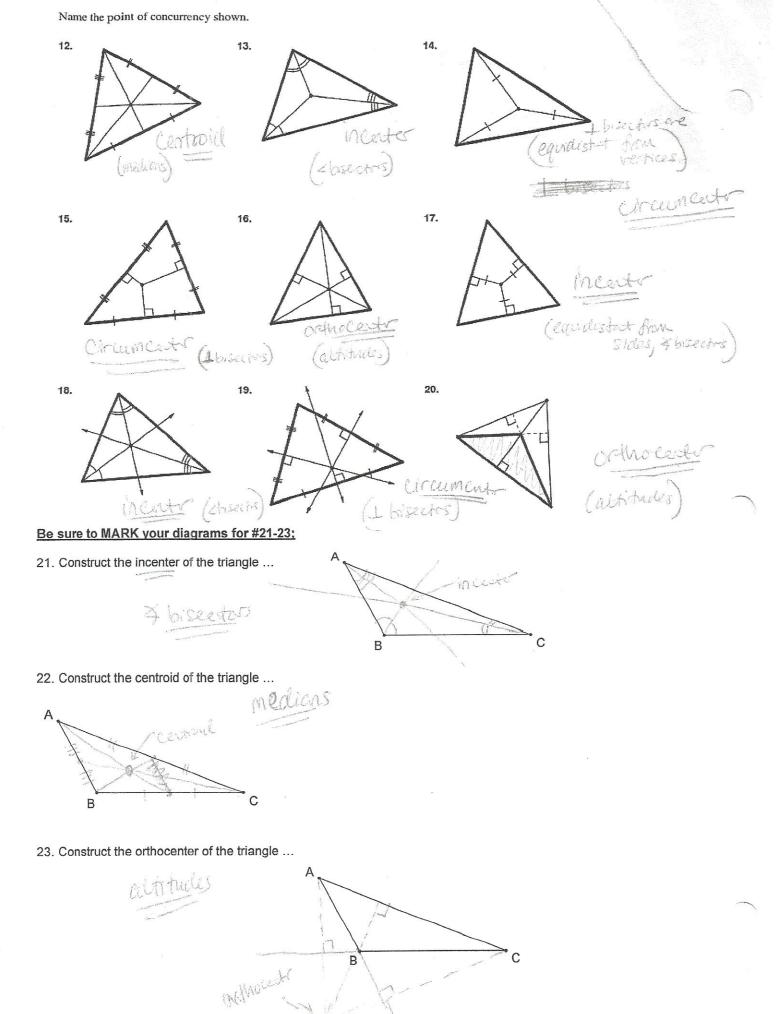
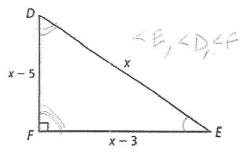
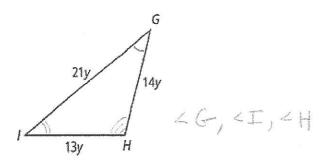
	me		PeriodDate		
	ame the special segment \overline{AC} $B \longrightarrow C$	nt for #1-4 2) HE D G F	3) IL	4) PN PO Apritude	
5)	Draw a triangle with	an altitude outside the tri	langle.	¥	
			- Williams		
7.	Underline the corre	ct word or phrase to con	nplete each sentence.	ė.	
	Three or more lines arallel/perpendicular	that intersect at a commercioncurrent) lines.	non point are called		
		pendicular bisector of a endpoints of the segmen		to/congruent to/	
		bisector/median/perpendicula			
		ency of the three perperter/incenter/centriod).	ndicular bisectors of a	a triangle is called the	
C		name of the correct point of	Concurrancy		
5.		a triangle intersect at the _	1		
	(a) circumcenter	(b) incenter	(c) centroid	(d) orthocenter	
6.		a triangle intersect at the			
	(a) circumcenter	(b) incenter	(c) centroid	(d) orthocenter	
7.	The three perpendicula	ar bisectors of a triangle in	tersect at the		
	(a) circumcenter	(b) incenter	(c) centroid	(d) orthocenter	
			· /		
8.		ors of a triangle intersect at		•	
	(a) circumcenter	(b) incenter	(c) centroid	(d) orthocenter	
9.	It is equidistant from the	he three vertices of the tria	ngle.		
	(a) circumcenter	(b) incenter		(d) orthocenter	
	The same of the sa	(b) meener	(c) centroid	(d) Orthocemer	
10.	. It is equidistant from the	he three sides of the triang		(d) Othocemer	



For Exercises 3-5, list the angles of each triangle in order from smallest to largest.

3.

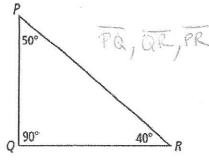




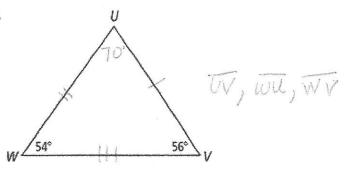
5. $\triangle XYZ$, where XY = 25, YZ = 11, and XZ = 15

For Exercises 6-8, list the sides of each triangle in order from shortest to longest.

6.



7.



8. $\triangle MNO$, where $m \angle M = 56$, $m \angle N = 108$, and $m \angle O = 16$

9. Algebra List the sides in order from shortest to longest in ΔXYZ , with

$$m\angle X = 50$$
, $m\angle Y = 5x + 10$, and $m\angle Z = 5x$.

VE, XY, XZ

10. What is the range of possible side lengths for the missing side of the triangle with the following sides?

11. What is the range of possible side lengths for the missing side of the triangle with the following sides?

Can the following side lengths be the sides of a triangle;

13. 3.89,
$$\frac{16}{5}$$
, $\sqrt{10}$

3.89,
$$\frac{16}{5}$$
, $\sqrt{10}$ 3.2+3.16 $6.36 > 3.89$ Yes