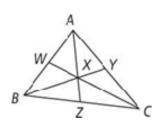
Geometry Week 17 Monday

Warm-up

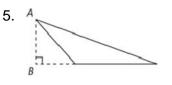
In $\triangle ABC$, X is the centroid.

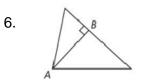
- **1.** If *CW* = 15, find *CX* and *XW*.
- **2.** If BX = 8, find BY and XY.
- **3.** If XZ = 3, find AX and AZ.

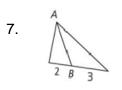


Is **AB** a median, an altitude, or neither? Explain.

4. B







Geometry Week 17 Tuesday

Warm-up

Name		Class	Date	
5-5	Think About a Plan			
	Indirect Proof			
Write an indi	irect proof.			
Given: ΔXYZ	is isosceles.			
Prove: Neithe	er base angle is a right angle.			
1. What is the	e first step in writing an indirect proof?	•		
2. Write the f	first step for this indirect proof.			
3. What is the	e second step in writing an indirect pro	of?]_
4. Find the co a. How are	ontradiction: re the base angle measures of an isoscel	es triangle related	?	
b. What m	nust be the measure of each base angle')		
c. What is	s the sum of the angle measures in a tria	mgle?		
d. If both t measure measure	base angles of $\triangle XYZ$ are right angles, are greater than 0, what must be true of the tru	id the non-base an he sum of the ang	gle has a le	
e. What do	oes vour assumption contradict?			
5. What is yo	our conclusion?			

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