

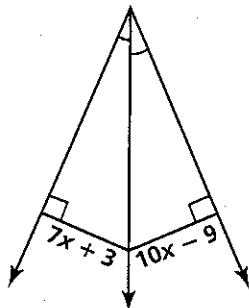
Chapter Test

Form B

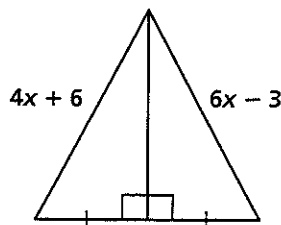
Chapter 5

Find the value of x .

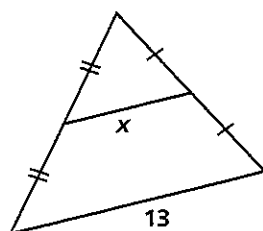
1.



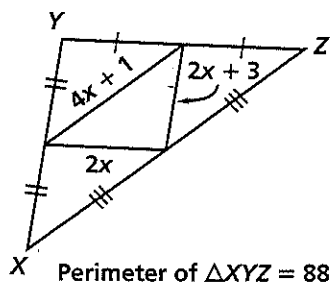
2.



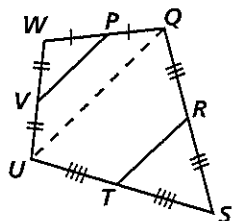
3.



4.



5. What can you conclude about segments VP and TR from the diagram below?



List the angles of $\triangle BCD$ from least to greatest.

6. $BC = 7, CD = 12, BD = 16$
7. $BC = 22, CD = 24, BD = 13$
8. Philip was making triangles with sticks. If he has a 6-in. stick and a 3-in. stick, which stick can he *not* use to form a triangle?

A. 4-in. stick	B. 5-in. stick
C. 3-in. stick	D. 7-in. stick

Chapter Test (continued)

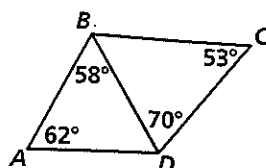
Form B

Chapter 5

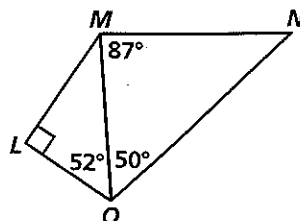
9. Two sides of a triangle have lengths of 9 and 12. The length of the third side can be any number between ? and ?.

Classify each point of concurrency described as being *inside*, *outside*, or *on* the triangle.

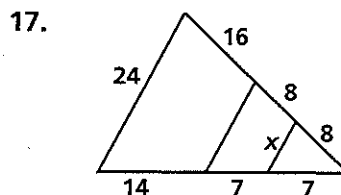
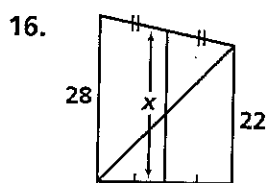
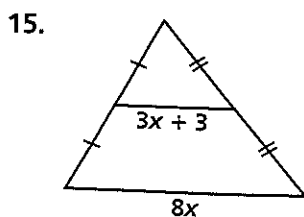
10. the orthocenter of an acute triangle
11. the incenter of an obtuse triangle
12. the circumcenter of a right triangle
13. In the figure at the right, which segment is the longest?



14. In the figure at the right, put the five segments in order from shortest to longest.



Find the value of x .



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