

Chapter Test C

For use after Chapter 5

In Exercises 16–19, use the diagram and the given information.

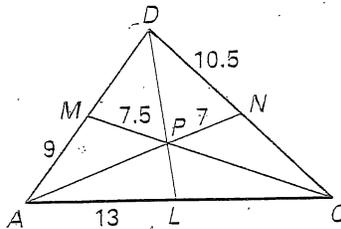
P is the centroid of $\triangle ACD$.

16. Find MC .

17. Find AP .

18. Find the perimeter of $\triangle ADC$.

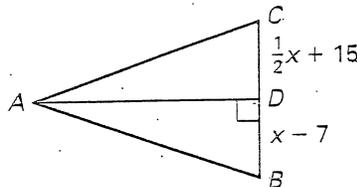
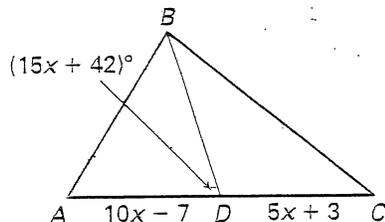
19. Find the perimeter of $\triangle AMC$.



In Exercises 20 and 21, find the value of x .

20. \overline{BD} is a median of $\triangle ABC$.

21. \overline{AD} is the perpendicular bisector of $\triangle ABC$.



In Exercises 22–24, determine whether it is possible to draw a triangle with sides of the given lengths. Write yes or no.

22. 3, 4, 5

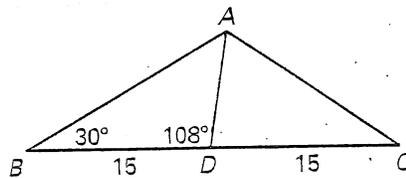
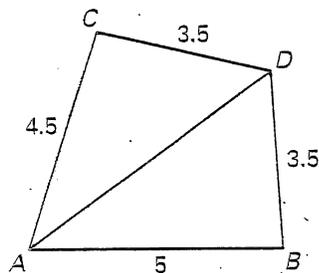
23. 4.7, 9, 4.1

24. 4, 9, 13

In Exercises 25–28, complete the statement by writing $<$, $=$, or $>$.

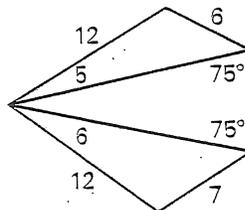
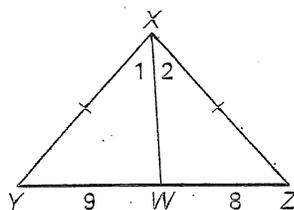
25. $m\angle ADC$? $m\angle ADB$

26. AB ? AC



27. $m\angle 1$? $m\angle 2$

28. $m\angle 5$? $m\angle 6$



- 14. _____
- 15. _____
- 16. _____
- 17. _____
- 18. _____
- 19. _____
- 20. _____
- 21. _____
- 22. _____
- 23. _____
- 24. _____
- 25. _____
- 26. _____
- 27. _____
- 28. _____

Review and Assess