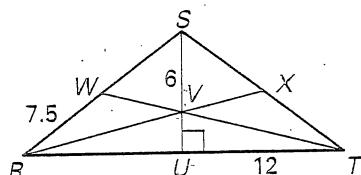


Chapter Test B

For use after Chapter 5

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

V is the centroid of $\triangle RST$. $\overline{SU} \perp \overline{RT}$, $UT = 12$, $RW = 7.5$, $SV = 6$.



16. Find ST .

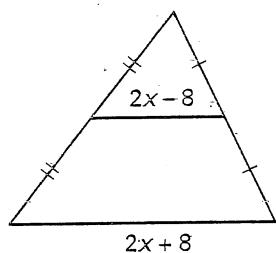
17. Find SU .

18. Find UV .

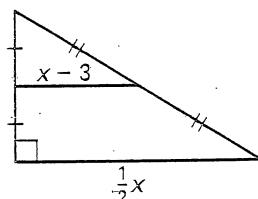
19. Find the perimeter of $\triangle RST$.

In Exercises 20–22, find the value of x .

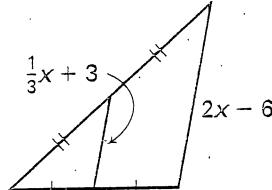
20.



21.



22.



In Exercises 23–25, determine whether it is possible to draw a triangle with sides of the given lengths. Write yes or no.

23. 12, 11, 17

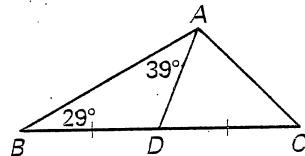
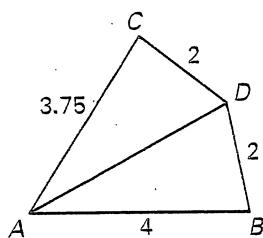
24. 1, 2, 3

25. 9, 40, 41

In Exercises 26–30, complete the statement by writing $<$, $=$, or $>$.

26. $m\angle ADC$ $m\angle ADB$

27. AB AC



28. XY XZ

29. $m\angle 5$ $m\angle 6$

30. a m

