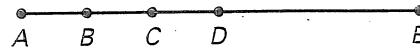


Cumulative Review

For use after Chapters 1–5

 $AE = 30$, $AB = 5$, and $\overline{AB} \cong \overline{BC} \cong \overline{CD}$. Find each length. (1.3)

1. $AC = ?$



2. $AD = ?$

3. $CE = ?$

Solve each equation and write a reason for each step. (2.4)

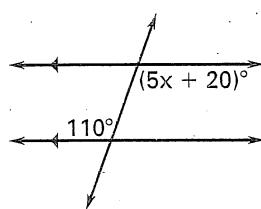
4. $p + 6 = 10$

5. $3a + 12 = 18$

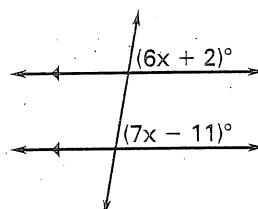
6. $2(c + 4) = 20$

Find the value of x . (3.3)

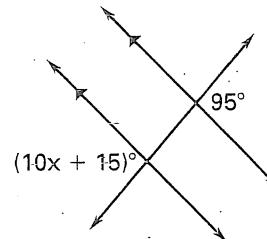
7.



8.



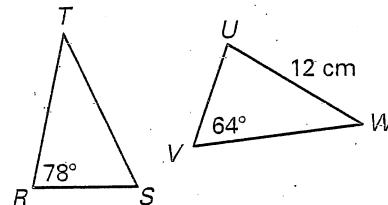
9.

In the diagram, $\triangle RST \cong \triangle UVW$. Complete each statement. (4.2)

10. $m\angle S = ?$

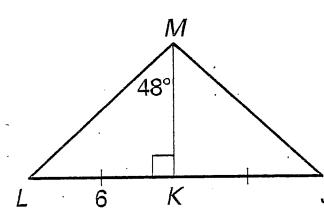
11. $m\angle W = ?$

12. $RT = ?$



Using bisector theorems, give the angle measure or segment length. (5.1)

13. $JK = ?$

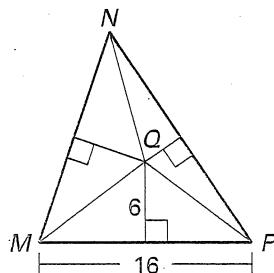


14. $m\angle MLK = ?$

15. $m\angle MJK = ?$

Find the indicated measure. (5.2)

16. The perpendicular bisectors of
- $\triangle MNP$
- meet at
- Q
- . Find
- QN
- .



17. The angle bisectors of
- $\triangle DEF$
- meet at
- G
- . Find
- GB
- .

