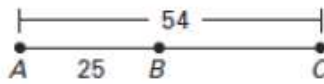


Use the Segment Addition Postulate to find the indicated length.

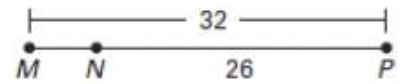
1. Find RT .



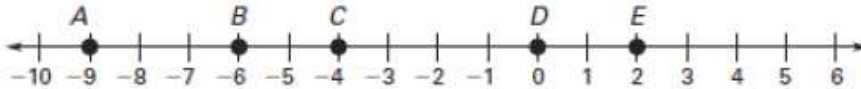
2. Find BC .



3. Find MN .



Use the number line to find the indicated distance.



4. $AB =$

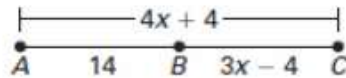
5. $BD =$

6. $CE =$

7. $DE =$

Find the indicated length.

8. Find AC



Point J is between H and K on HK . Use the given information to write an equation in terms of x . Solve the equation. Then find HJ and JK .

9. $HJ = 2x$

$JK = 3x$

$KH = 25$

C is between A and E . For each problem, draw a picture representing the three points and the information given. Solve for indicated.

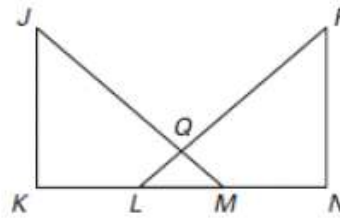
3. If $AC = 24$ in. and $CE = 13$ in., $AE =$ _____.

4. If $CE = 7$ in. and $AE = 23$ in., $AC =$ _____.

Give another name for the angle in the diagram. Tell whether the angle appears to be acute, obtuse, right, or straight.

10. $\angle JKN$

11. $\angle KMN$



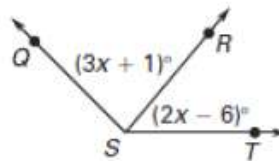
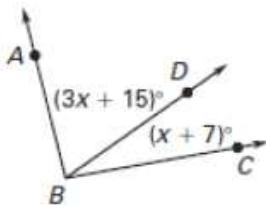
12. $\angle PQM$

13. $\angle JML$

Use the given information to find the indicated angle measure.

14. Given $m\angle ABC = 94^\circ$, find $m\angle CBD$.

15. Given $m\angle QST = 135^\circ$, find $m\angle QSR$.



$\angle 1$ and $\angle 2$ are complementary angles and $\angle 2$ and $\angle 3$ are supplementary angles. Given the measures of $\angle 1$, find $m\angle 2$ and $m\angle 3$.

16. $m\angle 1 = 80^\circ$

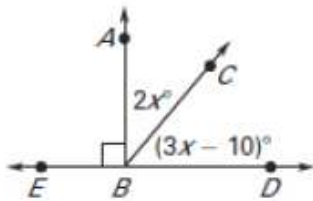
17. $m\angle 1 = 33^\circ$

18. $m\angle 1 = 72^\circ$

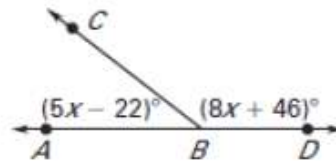
19. $m\angle 1 = 7^\circ$

Find $m\angle ABC$ and $m\angle CBD$.

20.



21.



If U is between T and B, find the value of x and the lengths of the segments. Draw a picture, write the segment addition postulate, write an equation and solve.

$$TU = 4x - 1, UB = 2x - 1, TB = 5x$$

$$x = \underline{\hspace{2cm}}$$

$$TU = \underline{\hspace{2cm}}$$

$$UB = \underline{\hspace{2cm}}$$

$$TB = \underline{\hspace{2cm}}$$

Find EG

