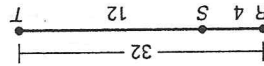


32. **Hiking** On the map, \overline{AB} represents a trail that you are hiking. You start from the beginning of the trail and hike for 90 minutes at a rate of 1.4 miles per hour. How much farther do you need to hike to reach the end of the trail?

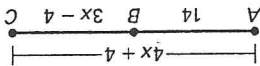
28. $HJ = 2x$
 $JK = 3x$
 $KH = 25$
 30. $HJ = 5x - 4$
 $JK = 8x - 10$
 $KH = 38$

29. $HJ = \frac{4}{x}$
 $JK = 3x - 4$
 $KH = 22$
 31. $HJ = 5x - 3$
 $JK = x - 9$
 $KH = 5x$

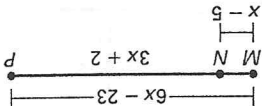
Point J is between H and K on \overline{HK} . Use the given information to write an equation in terms of x . Solve the equation. Then find HJ and JK .



25. Find ST .

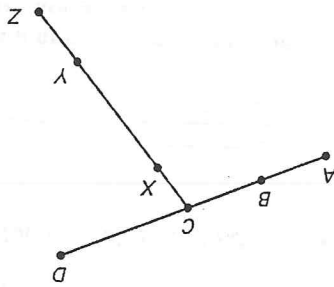


26. Find AC .



27. Find NP .

- 19. \overline{AB}
- 20. \overline{BD}
- 21. \overline{CY}
- 22. \overline{CD}
- 23. \overline{XC}
- 24. \overline{CZ}



In the diagram, points $A, B, C,$ and D are collinear, points $C, X, Y,$ and Z are collinear, $\overline{AB} = \overline{BC} = \overline{CX} = \overline{YZ}, \overline{AD} = 54, \overline{XY} = 22,$ and $\overline{XZ} = 33.$ Find the indicated length.

Practice B LESSON 12
 For use with pages 9–14
 continued

Name _____

Date _____

LESSON 12

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LESSON
Practice B
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Date _____

Measure the length of the segment to the nearest tenth of a centimeter.

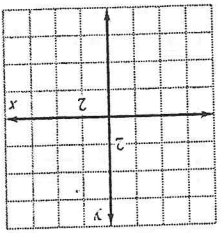
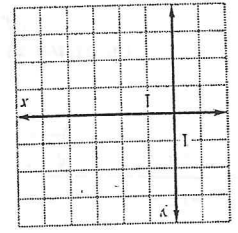
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Use the Segment Addition Postulate to find the indicated length.

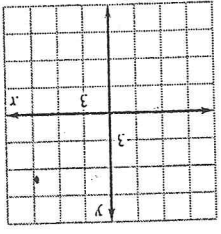
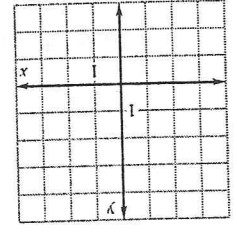
- Find RT .
 - Find BC .
 - Find MN .
-
-
-

Plot the given points in a coordinate plane. Then determine whether the line segments named are congruent.

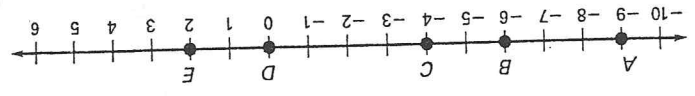
- $A(2, 2), B(4, 2), C(-1, -1), D(-1, 1)$; \overline{AB} and \overline{CD}
- $M(1, -3), N(4, -3), O(3, 4), P(4, 4)$; \overline{MN} and \overline{OP}



- $E(-3, 4), F(-1, 4), G(2, 4), H(-1, 1)$; \overline{EG} and \overline{FH}
- $R(3, 5), S(10, 5), T(-4, -3), U(-11, -3)$; \overline{RS} and \overline{TU}



Use the number line to find the indicated distance.



- \overline{AB}
- \overline{AD}
- \overline{CD}
- \overline{BD}
- \overline{CE}
- \overline{AE}
- \overline{BE}
- \overline{DE}