

Name _____

Date _____

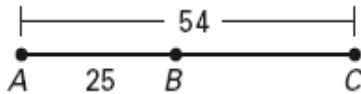
LESSON 1.2

Practice B

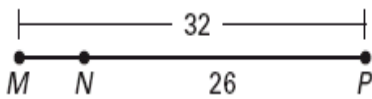
For use with pages 9–14

Use the segment Addition Postulate to find the indicated length.

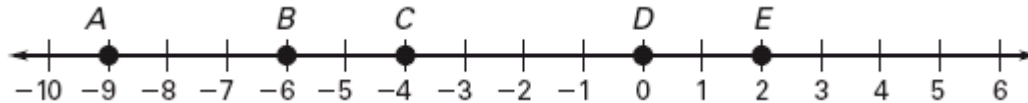
1. Find BC .



2. Find MN .



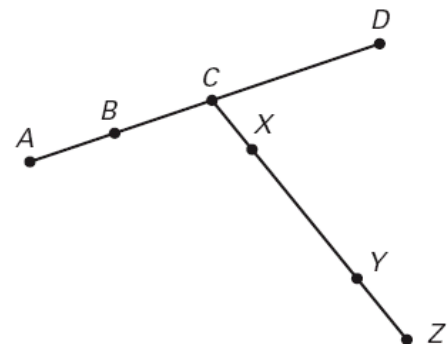
Use the number line to find the indicated distance.



3. AB
4. AD
5. CD
6. BD
7. CE
8. AE
9. BE
10. DE

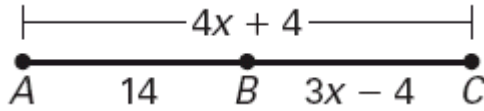
In the diagram, points $A, B, C,$ and D are collinear, points C, X, Y and Z are collinear, $AB = BC = CX = YZ, AD = 54, XY = 22,$ and $XZ = 33.$ Find the indicated length.

11. AB
12. BD
13. CY
14. CD
15. XC
16. CZ

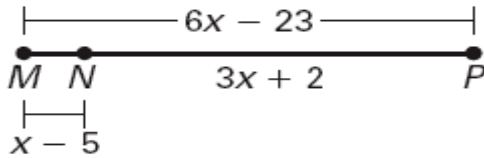


Find the indicated length.

17. Find AC.



18. Find NP.



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 .

19. $HJ = 2x$
 $JK = 3x$
 $KH = 25$

20. $HJ = \frac{x}{4}$
 $JK = 3x - 4$
 $KH = 22$

21. $HJ = 5x - 4$
 $JK = 8x - 10$
 $KH = 38$

22. **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?

