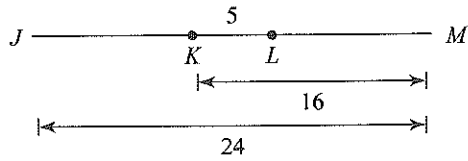


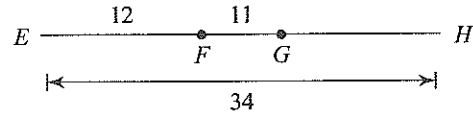
Segment Addition Postulate

Find the length indicated.

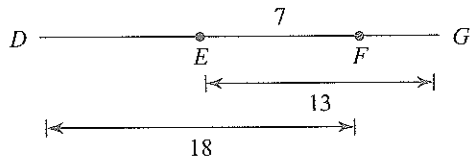
1) Find JL



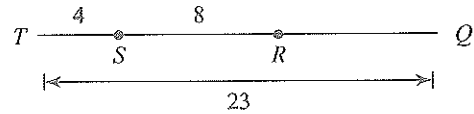
2) Find GH



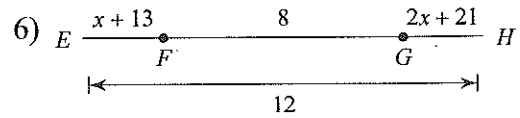
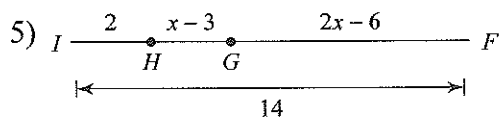
3) Find DG



4) Find RQ

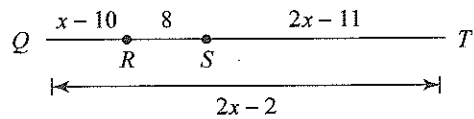


Solve for x .

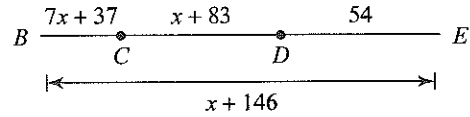


Find the length indicated.

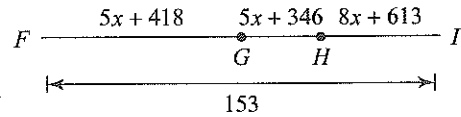
7) Find ST



8) Find CD



9) Find HI



Points A, B, and C are collinear. Point B is between A and C. Solve for x and then find the missing length.

10) Find AB if $BC = 28$, $AB = 6x + 404$,
and $AC = 2x + 216$.

11) $AB = 78$, $AC = x + 102$,
and $BC = 132 + 7x$. Find BC .

12) $AC = 125$, $BC = x + 172$,
and $AB = 5x + 427$. Find BC .

13) Find AB if $BC = 25$, $AB = 6x + 621$,
and $AC = 7x + 737$.

14) Find BC if $AC = 8x - 38$,
 $BC = 12x - 167$, and $AB = 61$.

15) Find AB if $AC = 103$, $AB = x + 120$,
and $BC = 8x + 298$.