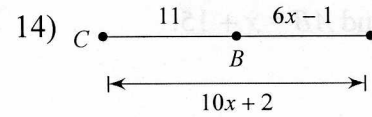
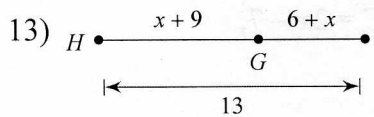
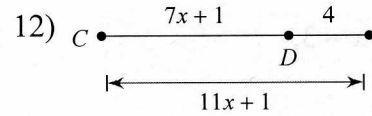
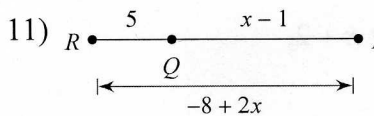
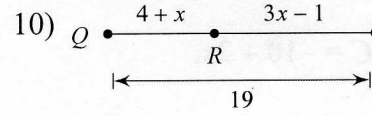
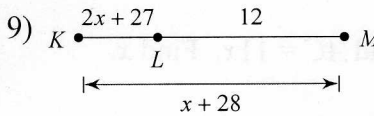
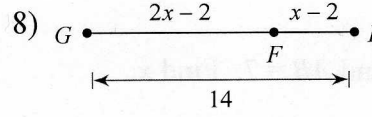
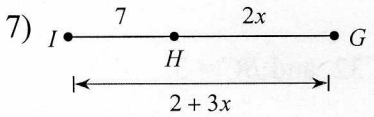
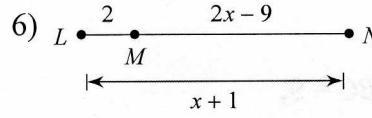
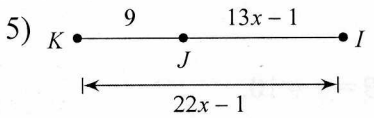
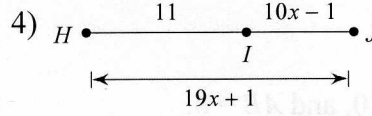
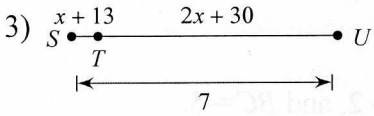
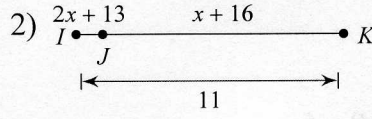
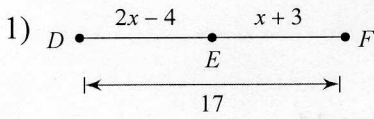


6-1 Segment Addition Postulate (ver3)_hw

Solve for x .



Points A, B, and C are collinear. Point B is between A and C. Solve for x.

15) Find x if $BC = 2x + 3$, $AB = 4x - 3$,
and $AC = 18$.

16) Find x if $BC = 6$, $AB = x + 5$,
and $AC = 2x + 4$.

17) Find x if $AC = 2x + 2$, $AB = 5$,
and $BC = x + 2$.

18) Find x if $AB = 9$, $AC = x + 14$,
and $BC = 2x + 5$.

19) $BC = 2x - 6$, $AC = x + 10$, and $AB = 8$.
Find x.

20) $AC = 8x + 1$, $AB = 5x + 2$, and $BC = 5$.
Find x.

21) Find x if $AB = 26 + 2x$, $BC = 9$,
and $AC = x + 23$.

22) Find x if $BC = x + 6$, $AB = x + 10$,
and $AC = 14$.

23) $BC = 3x + 1$, $AC = 7x$, and $AB = 7$. Find x.

24) $AB = x + 18$, $AC = 2x + 32$, and $BC = 3$.
Find x.

25) Find x if $BC = x - 10$, $AC = -10 + 2x$,
and $AB = 12$.

26) $AB = 9$, $BC = 3x - 1$, and $AC = 11x$. Find x.

27) Find x if $AC = 11$, $BC = x - 3$,
and $AB = 2x - 16$.

28) Find x if $AC = 11$, $BC = x + 2$,
and $AB = x + 11$.

29) $BC = x + 12$, $AC = 17$, and $AB = x + 15$.
Find x.

30) Find x if $AB = x - 2$, $AC = 2x - 7$,
and $BC = 5$.

Answers to 6-1 Segment Addition Postulate (ver3)_hw

1) 6	2) -6	3) -12	4) 1
5) 1	6) 8	7) 5	8) 6
9) -11	10) 4	11) 12	12) 1
13) -1	14) 2	15) 3	16) 7
17) 5	18) 0	19) 8	20) 2
21) -12	22) -1	23) 2	24) -11
25) 12	26) 1	27) 10	28) -1
29) -5	30) 10		