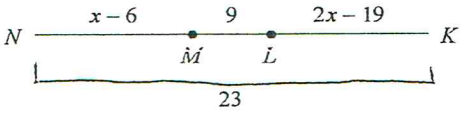
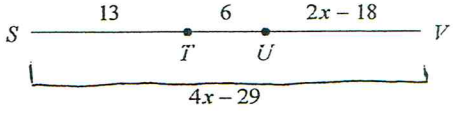
Points A, B, and C are collinear. Point B is between A and C. Solve for x.

11) $AC = 3x + 3$, $AB = -1 + 2x$, and $BC = 11$. Find x.

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

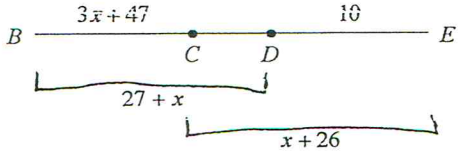
Solve for x. * Choose 1

13) 

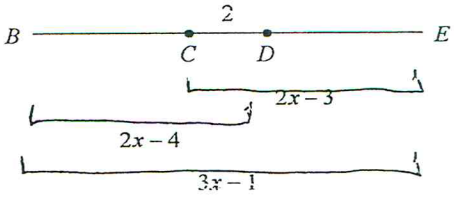
14) 

Find the length indicated. * choose 1

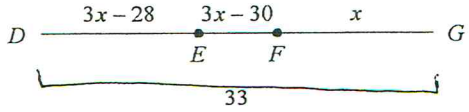
15) Find CE



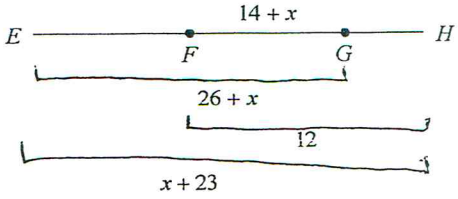
16) Find BD



17) Find DE



18) Find EG



Critical thinking questions: * Extra Challenge *

19) Points A, B, C, D, and E are collinear and in that order. Find AC if $AE = x + 50$ and $AC = x + 32$.

20) Write a segment addition problem using three points (like question 11) that asks the student to solve for x but has a solution $x = 20$.