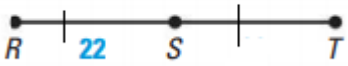
Homework - Segments Relationships Day 1 **Name**_____**Hr**_____

Rapid Practice #1-12: Find each indicated length. (no geo or just needed)

1. Find *MP*.

2. Find *RT*.

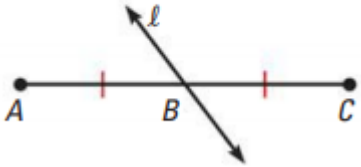


3. Find *UW*.

4. Find *XY*.

5. Find *DE*.

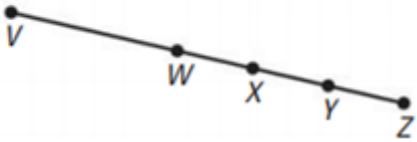
6. Find *BC* if *AC* = 19 cm.



FINDING LENGTHS **In the diagram, points *V*, *W*, *X*, *Y*, and *Z* are collinear, *VZ* = 52, *XZ* = 20, and *WX* = *XY* = *YZ*. Find the indicated length.**

7. WX *8. VW* *9. WY*

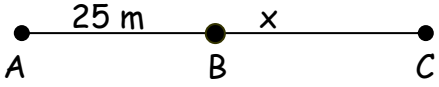
10. VX *11. WZ* *12. VY*



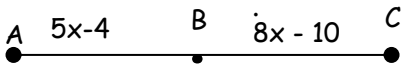
For #13 -20, Find *x and lengths indicated*. Write a geometry equation and justification for each question.

13. Find x.

14. B is the midpoint of AC.

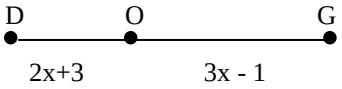


15. B is between point A and C and AC = 38 m



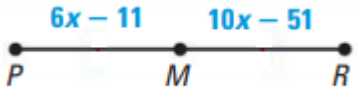
x = _____ AB = _____BC = _____

16. O is between D and G and DG = 27 ft



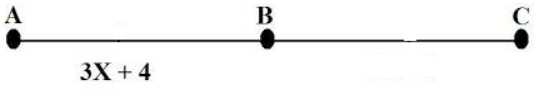
x = _____ DO = _____OG = _____

17. M is the midpoint of PR.



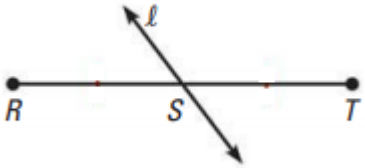
x = _____ PM = _____

18. B is the midpoint of AC and AC = 38 in



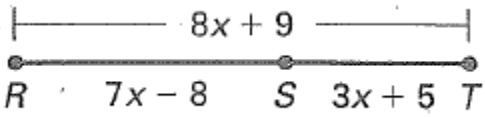
x = _____

19. Line l bisect RT through point S and RS = 4x-12 and ST = -2x+21.



x = _____ ST = _____ RT = _____

20. S is between R and T.



x = _____ RS = _____ ST = _____ RT = _____