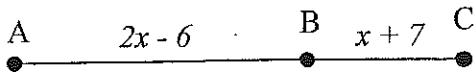


Geometry
WS - Measuring Segments

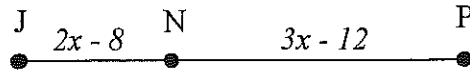
Name: _____

Date: _____ Period: _____

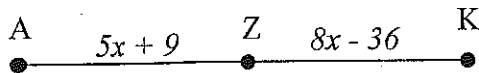
1. If $AC = 25$, find x then AB and BC .



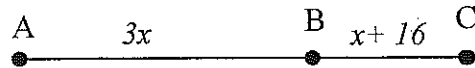
2. If $JP = 60$, find the value of x . Then find JN and NP .



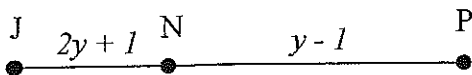
3. Z is the midpoint. Find AZ , ZK and AK .



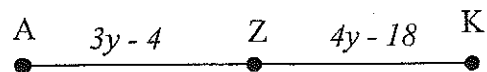
4. $AC = 32$, find x then AB and BC .



5. If $JP = 45$, find y then JN and NP .



6. If $AK = 62$ find the value of y then find AZ and ZK .



7. Points $K, L, M, N,$ and P are collinear and in the order given. Draw and label a diagram:

$NP=3$; $MN=4$; $LP=14$; $NP=KL$; Find $LM=$ _____ and $KP=$ _____

8. Find AZ. $AZ = 5x + 3$ and $ZK = 7x - 9$.



9. Find AZ. $AZ = 4x - 3$ and $ZK = 3x + 4$.

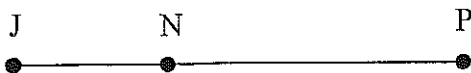


10. Z is the midpoint of \overline{XY} . XY is 27 find XZ.

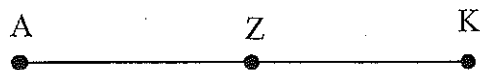
11. If $JN = 3x + 1$, $NP = 2x - 2$ and $JP = 64$, find the value of x and JN and NP.



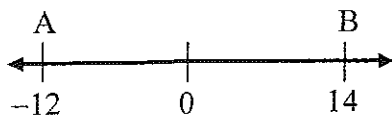
12. If $JN = 8y + 4$, $NP = 4y + 8$ and $JP = 15y - 9$ find the value of y and JN, NP, and JP.



13. Z is the midpoint of \overline{AK} . $AZ = 3x$ and $ZK = 5x - 6$. Find x, AZ, and AK.



14. Find the distance between A and B.



15. On a number line D is at -17 and B is at -5 , find the length of DB.