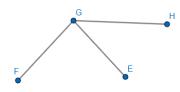
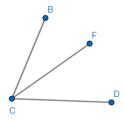
See the answers to the practice assignment on PAGE 3.

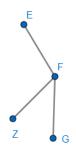
- 1. K is the midpoint of segment JL. JK = 6x + 7 and KL = 9x 2. Find x and JL.
- 2. K is the midpoint of segment JL. JK = 8x 8 and KL = 7x 6. Find x and JK.
- 3. V is between U and W. UV = 2x + 25, VW = 12, and UW = x + 25. Find x.
- 4. D is between C and E. CD = x + 16, DE = x + 21, and CE = 17. Find x.
- 5. Angles A and B are supplementary. If A = 4x + 8 and B = 104, find x.
- 6. Angles D and M are supplementary. If $\langle D = 2x + 24 \rangle$ and $\langle M = 3x + 1 \rangle$, find x and m $\langle D \rangle$.
- 7. Angles K and W are supplementary. If $\langle K = 3x + 17 \rangle$ and $\langle W = 6x + 1 \rangle$, find x and m $\langle W \rangle$.
- 8. Angles A and O are complementary angles. If A = 4x + 3 and O = 2x + 9, find x.
- 9. Angles J and R are complementary angles. If < J = 5x + 2 and < R = 3x, find x and m<R.
- 10. If m<HGF = 16x + 4, m<EGF = 110, and m<HGE = 3x + 11, find x.



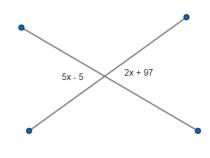
11. If m<FCD = x + 41, m<BCF = x + 78, and m<BCD = 95, find x.



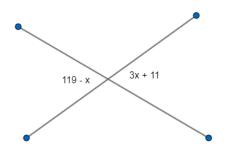
12. If m<GFZ = 38, m<ZFE = 2x + 125, and m<GFE = x + 163, find x.



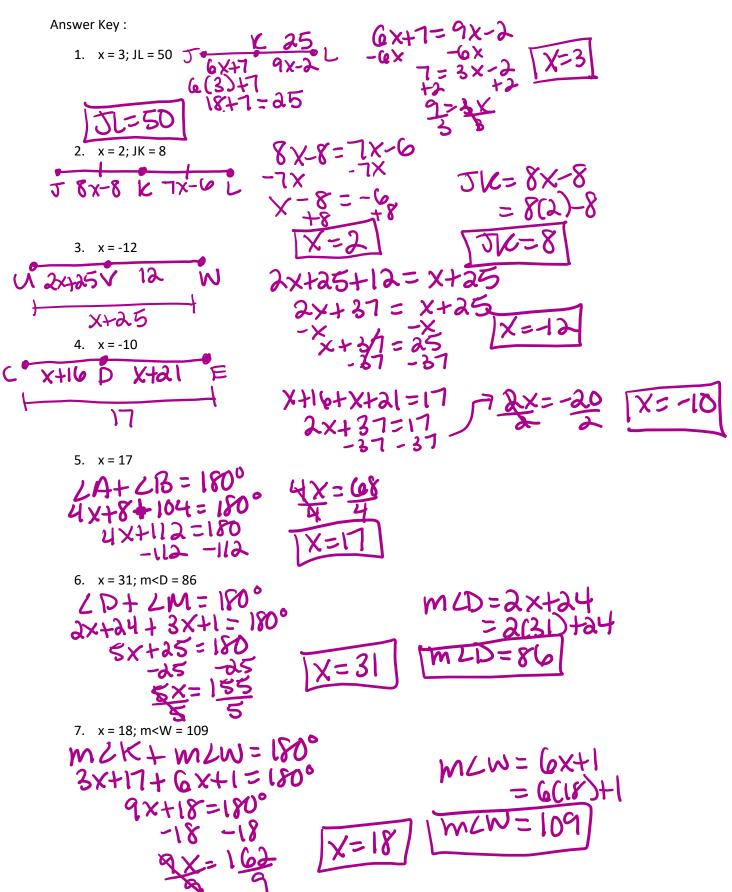
13. Find x.



14. Find x.



Answer Key :



8. x=13
MLA +
$$WLO = 90$$

 $4X + 3 + 2X + 9 = 90$
 $6X + 12 = 90$
 $71 - 72$
 $9. x = 11, mere = 33$
MLJ + $WLR = 90$
 $5X + 3 + 3X = 90$
 $8X + 3 - 90$
 $X = 11$
 $WLR = 33$
 $10. x = 9$
M LHGF = $MLEGF + MLHGE$
 $10X + 4 = 110 + 3X + 11$
 $10X + 4 = 10 + 3X + 121$
 $10X + 4 = 121$
 $13X + 4 = 121$
 $13X + 4 = 121$
 $14X + 121$
 $15X + 4 = 121$
 $10X + 2X + 1103$
 $-24 = 38 + 2X + 125$
 $X + 1003 = -163$
 $X = 0$
 $13X + 34 = 103$
 $X = 5 = 97$
 $3X - 5 = 97$