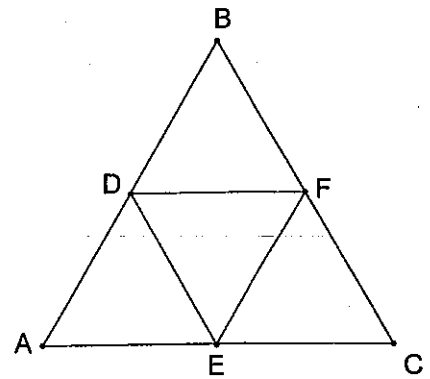


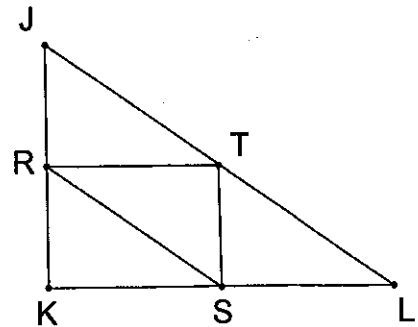
Use the diagram of $\triangle ABC$ where D, E, and F are the midpoints of the sides.

1. $\overline{DE} \parallel$ _____
2. $\overline{FE} \parallel$ _____
3. If $AB = 14$, then $EF =$ _____
4. If $AE = 8$, then $DF =$ _____
5. If $DE = 6$, then $BC =$ _____



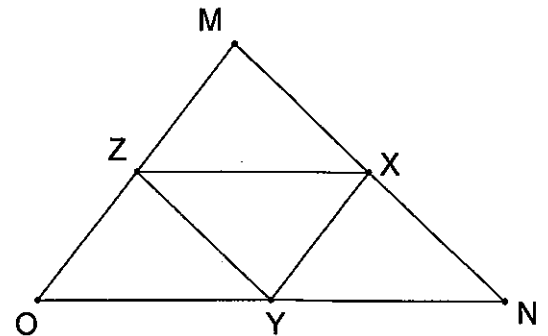
Use the diagram of $\triangle JKL$ where R, S, and T are midpoints of the sides, $RK = 3$, $KS = 4$, and $\overline{JK} \perp \overline{KL}$

6. Find the length of RS.
7. Find the length of JK.
8. Find the length of RT
9. Find the perimeter of $\triangle JKL$.



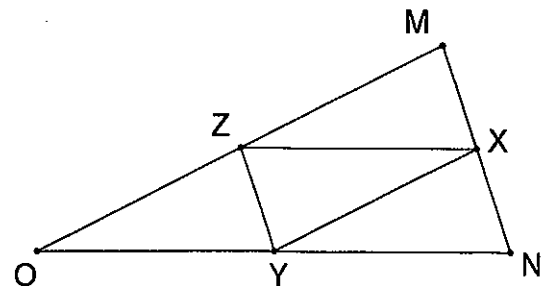
Use the diagram of $\triangle MNO$ where X, Y, and Z are midpoints of the sides.

10. If $YZ = 3x + 1$, and $MN = 10x - 6$ then $YZ =$ _____
11. If $YX = x - 1$, and $MO = 3x - 7$, then $MO =$ _____
12. If $m\angle MON = 48^\circ$, then $m\angle MZX =$ _____
13. If $m\angle MXZ = 37^\circ$, then $m\angle MNO =$ _____



Use the diagram of $\triangle MNO$ where X, Y, and Z are the midpoints.

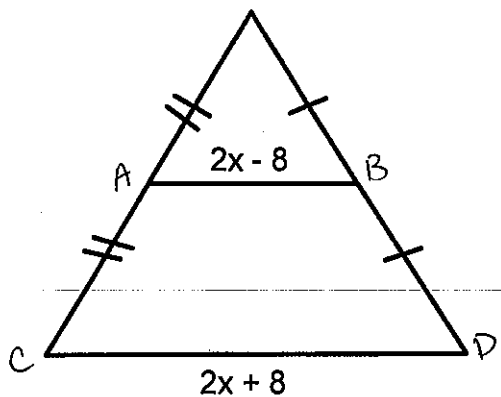
14. If $YZ = 2x + 3$, and $MN = 5x - 14$, then $YZ =$ _____
15. If $YX = 3x - 4$, and $MO = 9x - 20$, then $MO =$ _____



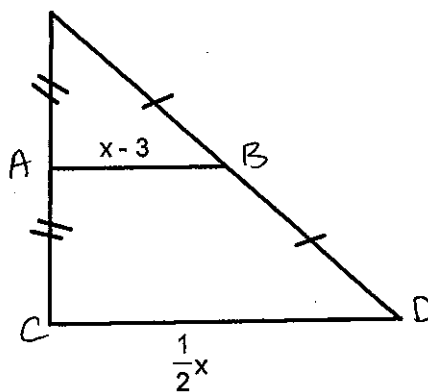
Assume the middle line is a midsegment in the problems below:

Find the length of each line

16)



17)



18)

