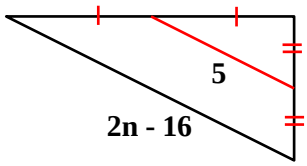
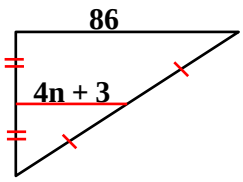
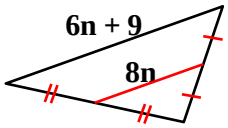
Name: _____ Period: _____ Date: _____

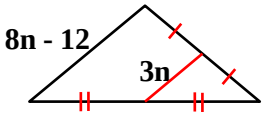
MIDSEGMENTS OF TRIANGLES Assignment

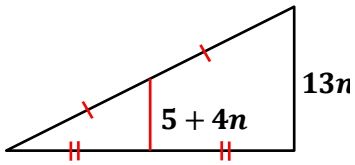
Find the value of n.

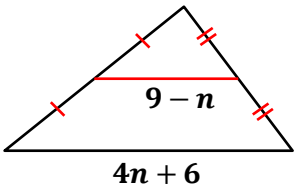
1. 

2. 

3. 

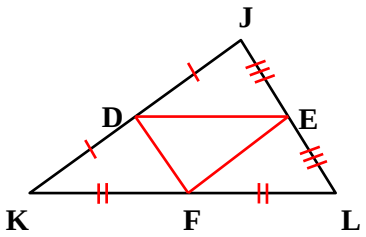
4. 

5. 

6. 

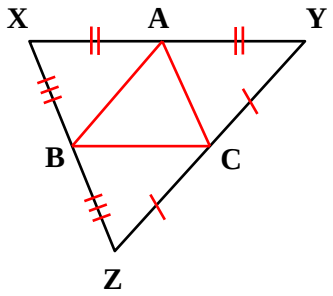
Name: _____ Period: _____ Date: _____

MIDSEGMENTS OF TRIANGLES Assignment



In **ΔJKL**, $\overline{KD} = \overline{DJ}$, $\overline{JE} = \overline{EL}$, $\overline{KF} = \overline{FL}$. Complete the statements below.

7. $\overline{DF} \parallel$ _____
8. $\overline{DE} \parallel$ _____
9. $\overline{EF} \parallel$ _____
10. $\overline{DF} =$ _____ $=$ _____
11. $\overline{DE} =$ _____ $=$ _____
12. $\overline{EF} =$ _____ $=$ _____



Use **Δ*XYZ***, where ***A***, ***B***, and ***C*** are midpoints of the sides.

13. If $\overline{BC} = 3x + 8$ and $\overline{XA} = 2x + 24$, what is $\overline{XY}$?

14. If $\overline{XZ} = 3x + 5$ and $\overline{AC} = 6x - 2$, what is $\overline{AC}$?

15. If $\overline{AB} = 7x - 1$ and $\overline{ZC} = 4x + 2$, what is $\overline{CY}$?