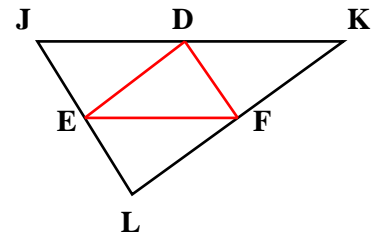


MIDSEGMENTS OF TRIANGLES Exit Quiz

In $\triangle JKL$, $\overline{JE} = \overline{EL}$, $\overline{KF} = \overline{FL}$, $\overline{JD} = \overline{DK}$. Complete the statements below.



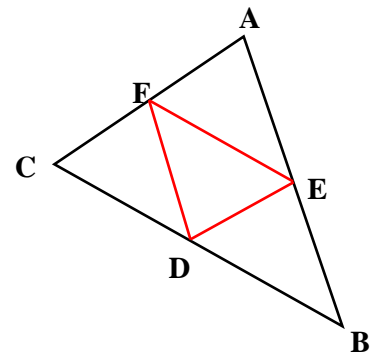
1. If $\overline{JK} = 9x - 5$ and $\overline{EF} = 6x - 13$, what is \overline{DK} ?

2. If $\overline{KL} = 15x + 2$ and $\overline{FL} = 2x + 12$, what is \overline{DE} ?

3. If $\overline{JE} = 15 + 2x$ and $\overline{DF} = 8x - 9$, what is \overline{EL} ?

In $\triangle ABC$, $\overline{AF} = \overline{FC}$, $\overline{AE} = \overline{EB}$, $\overline{CD} \parallel \overline{FE}$. Find the value of n .

4. $\overline{EF} = 8n + 1$ and $\overline{BC} = 14n + 12$



5. $\overline{AF} = 14n$ and $\overline{ED} = 60 + 2n$