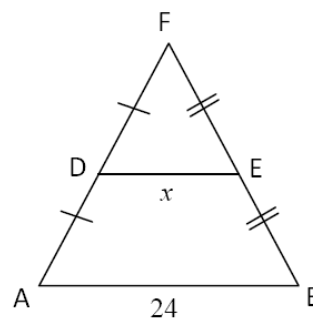


Name: _____

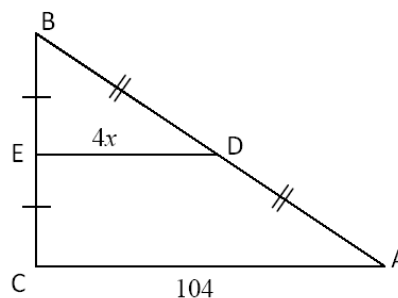
Mid-Segment Theorem

Exercise 1: Use the Triangle Mid segment Theorem to find the value of x.

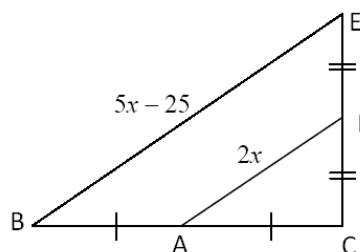
1)



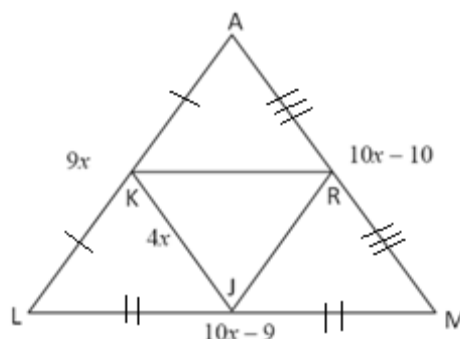
2)



3)

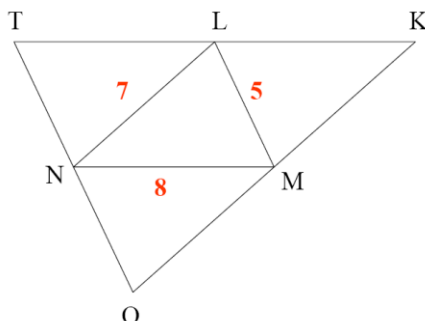


4)



Exercise 2: Given L, M, and N are midpoints of the sides of $\triangle TKO$. Find the perimeter of:

- 1) $\triangle TKO$
- 2) $\triangle LMK$



Exercise 3: Draw $\triangle ABC$ and let D be the midpoint of AB. Let E be the midpoint of CD. Let F be the intersection of ray AE and BC. Draw DG parallel to EF meeting BC at G. Prove: $BG = GF = FC$.