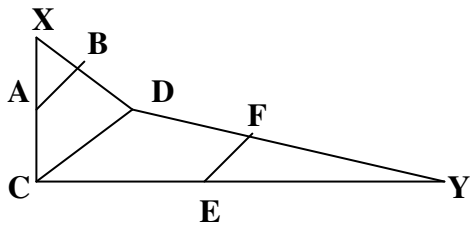
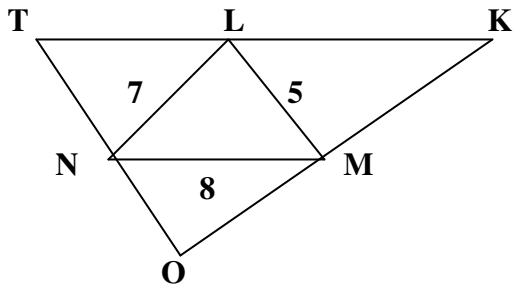
Practice Worksheet for Lesson 5-3 Name:

__ __ __ __ Mailbox #:

Points A, B, E, and F are the midpoints of XC, XD, YC, and YD.

1) If CD = 24, then AB = _____ and EF = _____ 2) If AB = k, then CD = _____ and EF = _____ 3) If AB = 5x – 8 and EF = 3x, then x = _____ 4) If CD = 8x and AB = 3x + 2, then x = _____	

Given that L, M, and N are midpoints of the sides of ΔTKO. Find the perimeter of each figure.

5) ΔTKO = 6) ΔLMK = 7) parallelogram TNML 8) quadrilateral LNOK	

9) Using the diagram from # 5 – 8 name all triangles congruent to ΔTNL

Line AE, line BF, line CG, and line DH are parallel, with EF = FG = GH.

10) If AB = 5, then AD = _____

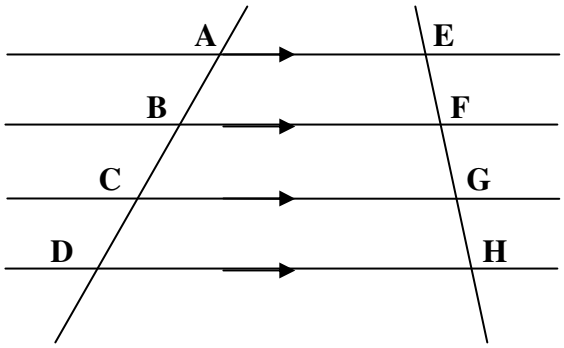
11) If AC = 12, then CD = _____

12) If AB = 5x and BC = 2x + 12, then x = _____

13) If AC = 22 – x and BD = 3x – 22, then x = _____

14) If AB = 15, BC = 2x – y, and CD = x + y, then x = _____ and y = _____

15) If AB = 12, BC = 2x + 3y, and BD = 8x, then x = _____and y = _____



Given that the segment in the triangle joins the midpoints of the two sides it intersects.

16) Find the value for x and y in the given diagram.