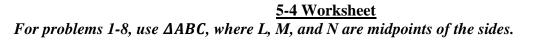
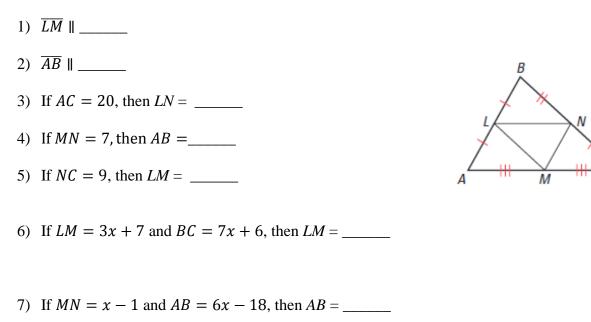
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Section _____

Due: 11/8/12

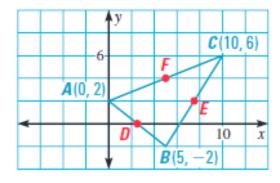




8) Which angles in the diagram are congruent? Explain your reasoning.

Use the diagram for 9 & 10.

9) Find the coordinates of the endpoints of each midsegment of $\triangle ABC$.



10) Use slope and the Distance Formula to verify that the Midsegment Theorem is true for \overline{DF} .

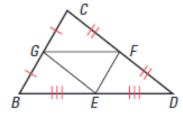
In problems 11 & 12, you are given the midpoints of the sides of a triangle. Find the coordinates of the vertices of the triangle.

11) *L*(1, 3), *M*(5, 9), *N*(4, 4)

12) *L*(7, 1), *M*(9, 6), *N*(5, 4)

Use the diagrams shown for problems 13 & 14.

13) Given CD = 14, GF = 8, and GC = 5, find the perimeter of ΔBCD .



14) Given PQ = 20, SU = 12, and QU = 9, find the perimeter of ΔSTU .

