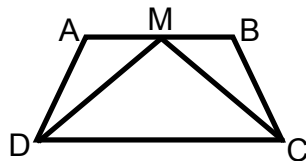**HONORS GEOMETRY**

BLIZZARD BAG ASSIGNMENT #2

NAME:_____

DIRECTIONS: Print this assignment on a sheet of paper. Then answer the following question showing ALL appropriate work!

Question #1: In each of the following diagrams, two triangles are given to you. Based on the information given about each diagram, decide whether there is enough information to prove that the two triangles are congruent. Be sure to state congruence statements and theorems used as well as an explanation for each...

a. In the figure below, ABCD is a trapezoid with AB II CD, and M is the midpoint of side AB. You are to prove that △ADM ≅ △BCM...

b. In the figure below, ABCD is a parallelogram. You are to prove that △AXD ≅ △CXB...