

Geometry Ch. 5 Take – Home Quiz.

Due: *Friday, Dec. 6th*

A committee is planning the annual Montana Head Start Pow-Wow for the children and families in their program. The Flathead, Fort Belknap, and Crow reservations are each sending one member to the planning meeting. It is December, the roads are icy and no one wants to drive. Each representative wants the meeting in his/her town...Crow Agency, Polson, and Fort Belknap. After several days of debate, one tribal member remembers how useful Geometry can be. She devises a method to determine the point equidistant from each town so no one is required to drive farther than anyone else.

Your task is to *algebraically* find that exact point (round to hundredths). You *must show all of your work on a separate sheet of paper*. Being as detailed and specific as you can will help your grade, for example, label or explain each step, then show the math.

1. Using the map below, calculate the coordinates of the meeting. (14 pt)
2. Each unit on the grid represents approximately 24 miles. How far must each executive drive? (4 pt)

