Topo Triangulation – 6th Grade Worksheet

Instructions
You and a friend left to go on a hike earlier today. You have been walking for a while, and now you do not know where you are. You have looked around and taken a few bearings of landmarks you see. Following is what you know:

Clues
A) Your hike started at “East Portal” 4 hours earlier.
B) You can hear a railroad somewhere to the north.
C) You took a bearing of Mammoth Creek Dam at 100 degrees.
D) You took a bearing of Haystack Mountain at 241 degrees.
E) You see another small lake at 305 degrees.

1) If someone were looking for you from Mammoth Creek Dam, what direction would they have to look?

2) Using your compass edge, draw a line from the Mammoth Creek Dam in the direction you wrote above. Your location is somewhere along that line.

3) If someone were looking for you from Haystack Mountain, what direction would they have to look?

4) Using your compass, draw a line from Haystack Mountain in the direction you wrote above. What is important about the place where the two lines meet?

5) Which lake is Clue E (above) talking about?
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