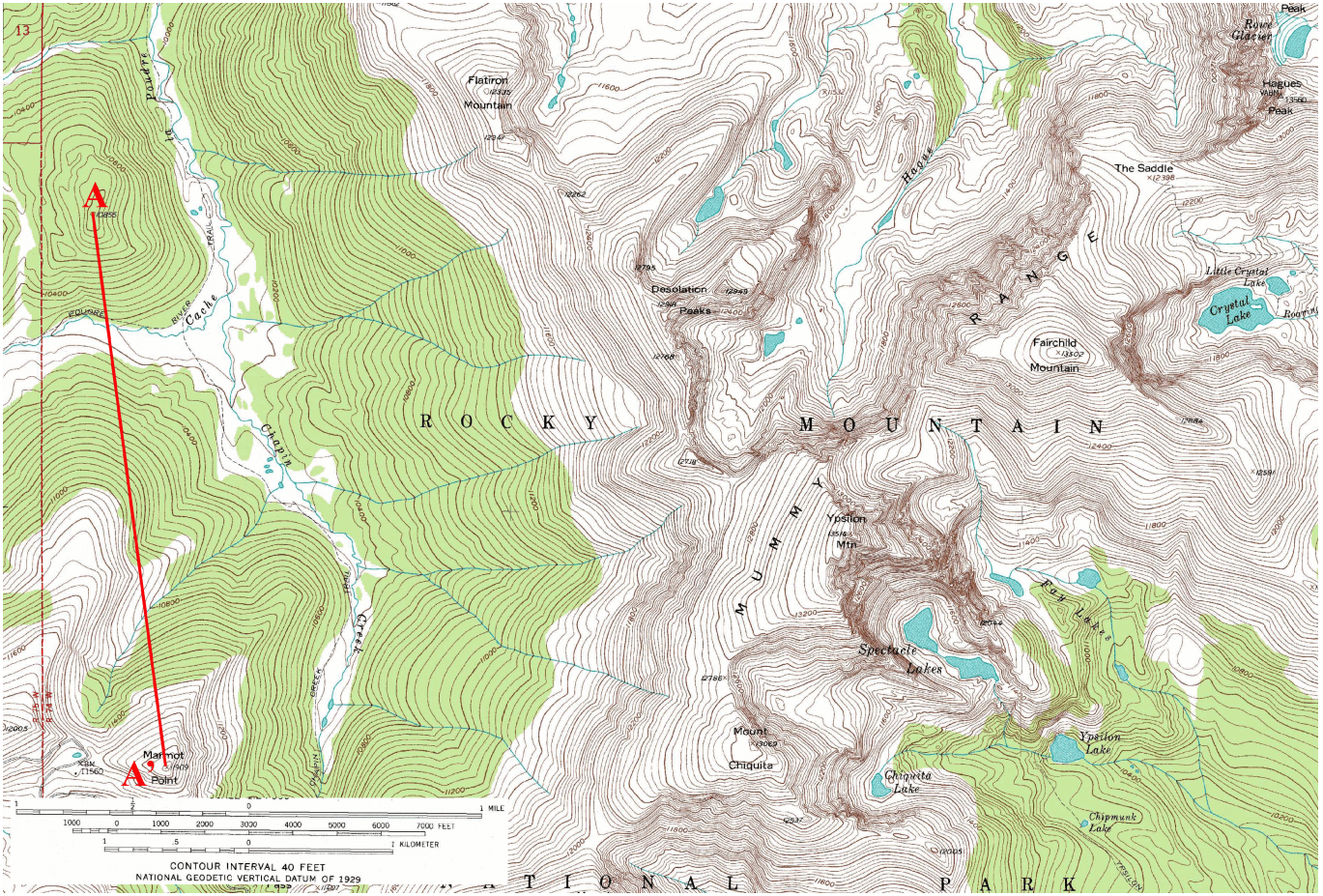


LAB EXERCISE 19 - MAP INTERPRETATIONS: ALPINE ENVIRONMENT & GLACIATION

Name:	Course ID:
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For each of the maps below please answer the following questions and complete the worksheet!
 Map Title: TRAIL RIDGE ROAD QUADRANGLE COLORADO (ROCKY MOUNTAIN NP)



Calculated Map Scale:

Contour interval:

Relief of Map (underline your answer):

What is the most likely rock-type underlying the area depicted on the map? Give evidence for your conclusion:

Draw the cross section A - A' neatly on graph paper. Use map and cross sectional profile to answer and do the following:

Why are there different shaped valleys on your cross section? Explain.

What processes formed the broad valley containing crystal lake just east of Fairchild Mountain?

The topography on the east side of Ypsilon Mountain is strikingly different from the topography on the west side of the mountain. Why?

What is the general shape of Marmot Point and Mount Chiquita to the South of the Map? What are these type of Mountains called and how do they form? (*Hint: Flatiron Mountain to the North is in the process of becoming such a mountain!*)

