# Lab report 9:

YOUR NAME HERE:

YOUR E-MAIL HERE:

**Sheep mountain maps (geologic on top, topo on bottom, and topographic cross section):** This is sheep mountain, a famous (geologically) location in Wyoming

**9.1**. Locate any geologic features and draw the correct symbol on them.

9.2 Draw on 6 or more strike and dip symbols dipping the right direction.

9.3 What type of feature is visible in the map?

9.3 Draw a profile section on the sheep mountain topo map.

9.4 Find the area where the topo map and the geologic map both show the same area. Draw a box outing the covered area on whichever map is larger.

9.5 Where is the cross section on the geologic map?

9.6 In the profile drawing, using the strike and dips you estimated previously on the geologic map, draw in an approximate image of what is underground. Some students may find it easier to start with the simpler profile example located on the same page as the cross profile.

Second cross section box below the topographic cross section

9.7 Draw a cross section for both profile boxes. The surface is flat, and the strike and dip angles should be reflected in the cross sections.

**Perugini valley fault zone:** In this area there are faults.

9.8 Locate and identify faults.

9.9 Locate and identify each block.

9.10 Give each fault a full descriptive name.

9.11 How will you keep them straight in your notes?

9.12 Determine the displacement on each fault.

**Ideno Hill:**

9.13 Determine the geologic feature present here.

9.14 Draw on 8 strikes and dips across the map.

9.15 To best show the geology underground, where would you draw a cross section, and why?