ANSWER KEY

Exercise: 1

Instructions: Answer the questions below.

1. What is the highest elevation shown on this map? Where is the lowest elevation?

Highest point on map is 7,260 ft. the lowest elevation is in the valley.

2. What is the contour interval of this map?

The contour interval is 40 feet.

3. Imagine a straight line drawn from the peak labeled 7,260 to the peak labeled 6,847. If you were to hike from peak 7,260 to 6,847 peak, would a straight line be the easiest way to get there? Why or why not?

A straight line would not be the easiest way because you would have to go down in elevation and then you would have to hike back up to the peak. It would be better to take a curved path and stay as high as possible.

4. If you hiked from the higher of these two peaks to the lower one by the easiest route, how much drop in elevation would you experience? How many feet in elevation would you have to walk uphill?

You would drop approximately 520 feet and then have to go back up 120 feet

5. Where is the steepest part of the area shown on the map? How do you know?

The steepest part of the map is in the upper right side. One can tell it is the steepest because the contour lines are closer together compared to any other part on the map.