Lab: Map Your Hike

Directions: Part 1: Answer the following questions based on the map.

1) What is the compass direction of Amethyst River? How can you tell?

2) What is the landform at A? What is the elevation at that point?

3) What is the highest possible elevation of the island one mile west of the coast?

4) Where would you expect to find the fastest flowing water in Copper Creek? How do you know?

5) Which side of the island has the gentlest slope? How can you tell?

6) Describe the change in landscape from point D to E.

7) Calculate the gradient for the following:
   a. From point **B** to **C**:

   b. From point **M** to **N**:

   c. Which location has the greater gradient? Which location has the steeper slope? Explain.
Part 2: Develop a plan to hike from point B to point N based on the evidence that you interpreted in Part 1. Include the following key concepts in your description: steepness, river direction, depression, elevation, sea level, compass directions and distance.