Mt. Hope Cemetery, topography and glacier feature lab

Component 1 of lab-field work This lab has two components, field work and computer lab work. This lab is worth 200 minutes. To begin you will be in the field and collect data for 10 sites within Mt. Hope cemetery. The second part of this lab is working with your data In the computer lab to create a map that has latitude, longitude, elevation, and glacier feature information.

Rules:
- You are being allowed to bring your cell phone with you for two reasons.
  - 1. To take photos to add to your map
  - 2. For safety and communication with me during the field work
- I must have your cell phone number in my phone for you to be able to take yours with you. I will have your phones and we will exchange numbers in the classroom before we get on the bus.
- You must stay with your group at all times. Do not wonder off!
- Be respectful that you are in a cemetery do not walk directly on grave sites and do not touch grave stones! If you find pebbles or stones on a grave marker , please leave it there. This is a Jewish tradition showing someone has visited and paid respect to the person buried there.
- We will meet back at the "castle" at _____a.m for a meet up.
- If you need help or have any questions call/text my cell phone at (585) 802-4891

If you choose to not follow any of these rules administration will be notified, you will receive a zero for the lab and be restricted from future field work.

Task 1: Get your GPS ready to give you data on latitude/longitude and elevation. We will begin at the "castle" at Mt. Hope. This is our meeting place.
 Directions: To get the GPS unit to have latitude/longitude and elevation readings
● Power on by pressing the power button on the bottom right side of the unit
● the unit will say "wait tracking satellites" wait until the unit says "ready to navigate"
● Press the top right button until "mark" is selected and then hit the enter button on the bottom left side of the unit, your latitude/longitude and elevation should be on the bottom of the screen
IMPORTANT you must hit enter twice each time you walk to a different location and want to get a new reading for latitude/longitude and elevation

Task 2: Collect your data for 10 sites at Mt. Hope
Take your first data reading at the waterfall, this is everyone's site A.
1. Record the latitude and longitude and elevation on your data chart. Remember to record the Latitude, Longitude will ALL DECIMALS places,

    a. GPS reader for our group is _____

2. Your second site will be north of the waterfall, up the hill. You can decide how far you want to walk between sites. But make sure it is a minimum of 40 steps and a maximum of 120 steps. You do not have to have the same number of steps between each site. Decide who in your group will count steps.
    a. Step counter for our group is _____

3. You must record the time it takes to take your steps to the next site. Start the timer as you take your first step and stop it as you finish your last step. Record the time in your data chart

   a. Time keeper for our group is _____

4. You must record the distance you walk to each site. One person in your group will use a distance walker to measure the distance between sites

   a. Distance keeper for our group is _____

5. Match the glacier features you see in the area to the glacier feature photos
   a. Responsibility of Everyone in the group

6. Remember to take photos using your cell phone if you would like to add them to your map when we get to the computer lab. If you take a photo at the site place a ✔ in your data chart to remind you to add it to your map later. REMEMBER you must get your photos transferred from your phone to an internet site or email them to yourself.
   a. Responsibility of Everyone in the group

Task 3:

Site letter	Latitude	Longitude	Name of glacier feature (match to photos if seen at your site)	Photo	Time	Elevation(ft)	Distance(ft)
A					0		------------------
B							A-B
C							B-C
D							C-D
E							D-E
F							E-F
G							F-G
H							G-H
I							H-I
J							I-J
					Total time		J-A
							Total