

In-Class Exercise 1

Follow the instructions below. Write your answers in the space provided.

1. Create a new folder under My Places. Save it on the Desktop as **GISWednesday**. All placemarks and other items below should be saved in this folder.
2. Move to Boston. Put a placemark there. What are the coordinates of Boston?

3. Is London north or south of Boston? (Is this surprising?) Affix placemark at London. View the Prime Meridian. What is distance from Boston to London?

_____ miles

_____ nautical miles

4. What is the biggest city in Europe closest in latitude to Boston?

5. What is the distance of the city above from Boston?

_____ miles

_____ nautical miles

6. What is the closest West Coast (US) city that matches Boston in latitude?

7. What are the coordinates for the city above?

8. What is the southernmost city/town that is closest to Boston's longitude?

9. Name the shipwreck that is near the city above.

10. On a browser, go to mbta.com and save the MBTA subway map on the Desktop. Now overlay that map onto Boston. Use the various options to optimize the fit. How well does the subway map data fit onto the real geographic locations?

Show me your result. _____

11. Find Mt. Lafayette in New Hampshire. What is its elevation (according to Google Earth)?

_____ feet

12. Find Greenleaf Hut, run by the Appalachian Mountain Club (AMC). From the hut, find the length of the path that goes to the parking lot on east side of route 93/3.

_____ miles

13. Can one see the hut from the parking lot? What one can see from a specific location is called a **viewshed**, and is an important research area.

14. The summit of Mt. Lafayette is in the White Mountain National Forest. Is the parking lot as well?

15. Save the folder that you created in step 1 to the Desktop.

16. Restart Google Earth. You should be able to see or load the information from the folder you saved.

Name: _____