LAND NAVIGATION ASSESSMENT FORM

Instructions: This form will be used to determine your understanding of basic land navigation concepts. Your ability to identify important information on a map, identify major and minor terrain features, plot points and azimuths, and select reasonable navigation routes will be assessed. Your instructor will provide absolutely no guidance to you during the exam, so if you find yourself confused at any point during the exam, write down the answer you think is correct.

1. What is the Scale of your map?

2. What is the measure of the declination diagram for your map?

3. Can you identify a hill on your map? If so, list the 8 digit grid coordinate where it can be found.

4. Can you identify a valley on your map? If so, list the 8 digit grid coordinate where it can be found.

5. Can you identify a ridge on your map? If so, list the 8 digit grid coordinate where it can be found.

6. Can you identify a saddle on your map? If so, list the 8 digit grid coordinate where it can be found.

7. Can you identify a depression on your map? If so, list the 8 digit grid coordinate where it can be found.

8. Name an 8 digit grid coordinate where you can find a draw.

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9. Name an 8 digit grid coordinate where you can find a spur.

10. Name an 8 digit grid coordinate where you can find a cliff.

11. Your instructor will list 5 8 digit grid coordinates below. Accurately plot the points, then plan a route to travel to each of the points in the most efficient manner possible.

    Starting point:

    Point A:

    Point B:

    Point C:

    Point D:

Route Name	Grid Azimuth	Magnetic Azimuth	Back Azimuth	Travel Distance	Terrain Features Along Route

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Failure Criteria- Students fail the exam if any conditions below are met:

1. Failure to identify the map scale
2. Failure to properly determine the GM angle
3. Failure identify a major or minor terrain feature
4. Failure to identify a major terrain feature, but improperly list the 8 digit grid coordinate
5. Failure to accurately plot the grid coordinate for a navigation point
6. Failure to properly determine the grid and magnetic azimuth between points
7. Failure to properly plot the grid azimuth between points
8. Failure to determine the back azimuth between points
9. Failure to accurately determine the distance between points
10. Failure to complete the exam within the specific time constraint
11. If students use white light at any point during the exam, they fail.
12. If the students do not use the tarp to cover their signature, they fail.
13. If you can see red light emanating from under the tarp, they fail. This may sound extreme, but this is designed to help you students understand the importance of light discipline, especially when planning land nav movements.