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GPS Exercise - 3rd Geospatial Family Science Night

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GPS Exercise
3rd Geospatial Family Science Night
April 18, 2004

When you first go outside, it will take a minute or two for your GPS receiver to find the
satellites and then locate your position. Once your unit has become stabilized, begin the
exercise below. Use the Position Screen for this first part.

Locate your current position and write it done here

North latitude = ________________________________________

West Longitude = ________________________________________

What is your altitude ________________________________________

Go to the following points

1. 42 14.277 N and 096.28.378W
   Where are you?____________________________________

2. 42 14.315N and 096 28.446W
   Where are you?____________________________________

3. 42 14.380 and 096 28.443 W
   Where are you?____________________________________

Marking points (using the Goto function)

Go to the center of the football field and mark the point (hold down the Goto Key). This
will be called WPT001.

North latitude = ________________________________________

West Longitude = ________________________________________

What is your altitude ________________________________________

Now practice going to other places on the field and then come back to your point. How
close to you get? Use the Compass or Large Data Screen for this section.

What’s the difference in altitude between the football field and the first location above?