WA State FFA Environmental Natural Resources CDE - 2022

GPS Practicum - 100pts

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

School/Team: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contestant #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

First make sure your GPS device is on the given settings. Take the time to synchronize your

 GPS with the coordinates at the practice/synchronization stake.

**Part 1 - 60pts**

1. Find the stake/playing card that matches the highlighted playing card on your scorecard.

Write down the coordinates of that stake in Latitude/Longitude in the table below. 16pts

8 pts each

w/in .00005 = 8

w/in .00007 = 4

|  |  |  |
| --- | --- | --- |
| **Card/Stake** | **Latitude** | **Longitude** |
| **Ace** | N | W |
| **K** | N | W |
| **Q** | N | W |
| **J** | N | W |
| **10** | N | W |

2. Written on your stake are a different set of coordinates. Enter these coordinates into your GPS and navigate to one of the ten lettered stakes. Write the letter in the box below. 14pts (No Partial Credit)

3. Head to the next set of five stakes. Find your highlighted playing card again. Enter those Coordinates in UTM UPS in the table below. 16pts

8 pts each

w/in 3 = 8

w/in 5 = 4

|  |  |  |
| --- | --- | --- |
| **Card/Stake** | **10T** | **UTM** |
| **Ace** | 10T | UTM |
| **K** | 10T | UTM |
| **Q** | 10T | UTM |
| **J** | 10T | UTM |
| **10** | 10T | UTM |

4. After you have recorded your above coordinates, determine how far are you from your first stake/playing card. Write that distance in the box below. 14pts

w/in 10 ft = 14 pts

w/in 15 ft = 8pts

**Part 2 - 40pts**

X

W

Z

Y

5. A chunk of property is labeled W, X, Y, Z. Using your GPS, determine the distance of **W to X**. Write your answer in the box below. 10pts

w/in 10 ft = 10 pts

w/in 15 ft = 5 pts

6. Determine the distance from **X to Z**. Write your answer in the box below. 10pts

w/in 10 ft = 10 pts

w/in 15 ft = 5 pts

7. Calculate the total square footage of the property labeled W, X, Y, Z. Write your answer in the box

 below. 10pts

8. Calculate the acreage of the chunk of property to the nearest .01 of an acre. Write your answer in the box below. 10pts

 **Total Score \_\_\_\_\_\_\_\_\_\_\_\_\_\_ / 100pts**