

Below are some references to help with map and compass.

http://www.nwccg.gov/pms/pubs/475/PMS475_chap6a.pdf

<http://www.k9-search-and-rescue.com/Orienteering.html>

<http://www.k9-search-and-rescue.com/UTM.html#Grids>

This Youtube video has some helpful hints. They do refer to a few things we didn't go over, but for the most part it would be a helpful resource.

https://www.youtube.com/watch?v=Szbwcu_d7zs

Map Practice

Step 1: Plot Coordinates

(Remember first four digits are Easting Coordinates (horizontal), last four are Northing Coordinates (vertical). First two digits of each are large numbers on map. Find those first. Start at the bottom left corner of the box you will be working in to zero in with your grid reader. Make sure your grid reader is facing the right direction. You should be able to read the numbers and writing on it if it is turned correctly.

Step 2: Find Magnetic Azimuth

Note: It is easier if you can preset the declination on your compass so you don't have to account for it later. For this area, the declination should be set to 10° W.

For this practice purpose, start at # 1 and move from 1 to 2, 2 to 3, 3 to 4 etc.

a: Connect the dots with a straight line

b: Lay edge of compass along line with direction of travel arrow on compass pointing the direction you want to travel. Turn compass bezel so North arrow is facing top of map which is also North.

c: While keeping compass edge aligned along straight line, align orienting lines (inside compass glass) with grid lines on map.

d: Note Azimuth under direction of travel arrow on compass

Step 3: Measure Distance

(Starting at "0" on grid reader, each line = 10 meters; Each number = 100 meters; 1 meter = 3.28 ft.)

For this practice purpose, start at # 1 and move from 1 to 2, 2 to 3, 3 to 4 etc.

Practice Points:

These are to be used with the Michaux State Forest Wildcat Rocks Map

Step 1:

1. 8859 0548
2. 8940 0575
3. 8991 0541
4. 8987 0484
5. 8909 0478
6. 8849 0461

Step 2: Find Magnetic Azimuth

Step 3: Find the Distance

Scan and email me your results so I can confirm your results and offer help if you're having trouble.

Have fun!