LAB: ORIENTEERING	Name	PerDate:
PURPOSE: Learn the proper way objects from a given location.	to use a magnetic compass. Use a compass to	determine the directions of several
magnetic field. Earth has a natura actually in the north and North act	compass uses a magnet and magnetic fields to or al magnetic field established similar to the effect tually in the south. Based upon the statement "o he magnetic "north pole" (which is the same as t	of a large bar magnet with South poposites attract," the North side of the
2. V 2. V 3. N 4. N	pass: Line up the red arrow on the plastic bottom of the needle (floating in the center). You are now facing With two fingers tightly holding the compass "dial other hand to rotate the base of the compass so tedge of the compass is pointing at the object you weathout 1: Read the numbers where the white line the closest direction heading or quadrant. (N E Swethood 2: Read closest pole, degrees away from Repeat these steps for any objects you are taking	ig NORTH! " in place still pointing NORTH, use you the long red needle pointing to the flat wish to find the bearing for. e on the dial is pointing. Be sure to read W or NE SE SW NW) that pole to the heading, pole towards.
PRACTICE: Write the value of th	ne bearing for each of these (Assume arrow repre	esents line mark when N set to North):
3.		4. minip
JSE: Use the compass to v THE LOCATION as instruct compass (steps 1 & 2 from a	write down the bearings for the following ted by your instructor for each of these are above) each time. Degrees&Quadrage	nd remember to "orient" your
Object One	_	Bearing
Object Two		Bearing
Object Three		Bearing
Object Four		Bearing
Object Five		Bearing
Object Stx:		Bearing
Object Seven		Bearing

QUESTIONS: Write out a complete sentence to answer the following:

_____ Bearing_

1. Why do you think that the North facing needle is not the same magnetic "north" as the North pole?

Bearing____

2. What is the difference between "true North" and "magnetic North?"

Object €ight_____