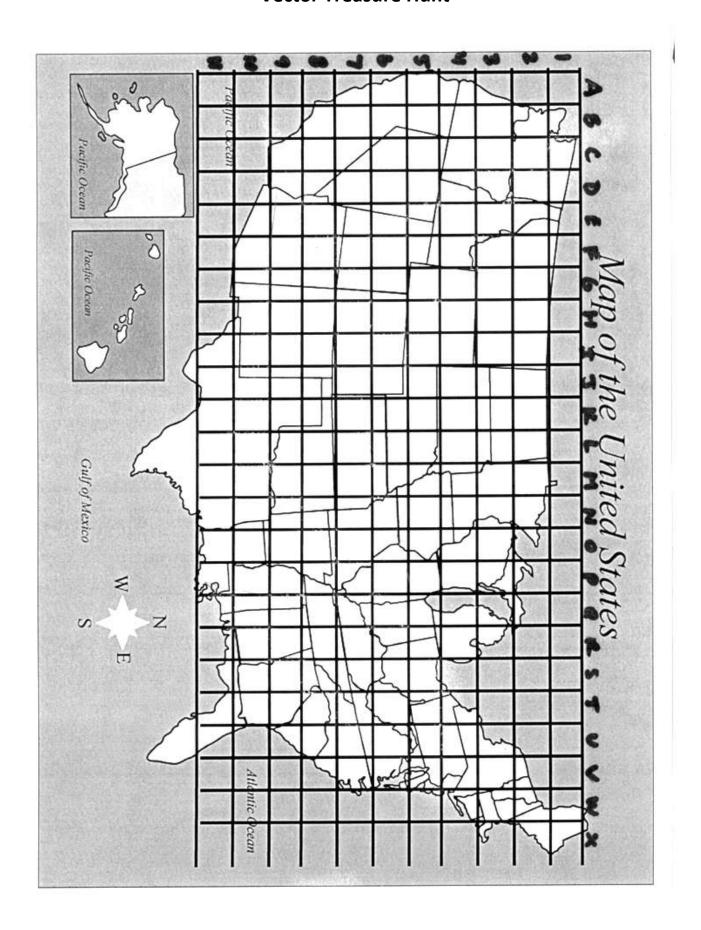
Vector Treasure Hunt



The following is a list of directions that leads to a treasure somewhere in the United States. Your job is to calculate the magnitude and direction of the resultant vector to go from Cleveland, OH directly to the site of the treasure. Points will be awarded if you can determine what state you would be in and in what exact quadrant would you end. Use the bottom of this sheet to solve for the final vector mathematically. Use the other side of this sheet to solve for it graphically.

1 cm = 220 km

660 km due East
1826 km at 48° South of West
1210 km at 13° East of North
1430 km at 40° South of West
1804 km at 7° North of West
1364 km at 25° North of East
1606 km at 40° North of West
1562 km at 66° South of East