LATITUDE AND LONGITUDE LAB

4. Latitude is numbered from ______ degrees at the equator

to degrees at either pole.

5. Longitude is numbered from					degrees at the prime							
meridian to				deg	degrees at the international date line.							
6. A degre	e of latitu	de is a	pproxi	mately _.				n	niles at	the		
equator an	d			mil	es at t	he pole	es. A de	egree o	of longi	tude is		
approximately				miles at the equator								
andmiles				s at the	at the poles.							
USE THE	FIGURI	E BEL	OW T	O ANS	SWEI	R QUE	STIO	NS 14-	-19			
180	9	90		0		90			180			
\vdash												
\sqcup		А					$ldsymbol{ld}}}}}}$					
Ш											0	
					Ι,	В						
7. What ar	e the coor	dinate	s of po	int A?							90	
8. Locate t												
located?							•	1				
9. What ar												
10. Locate												
located?								. 1				

11. Locate a point at 10 $^{\circ}$ South Latitude and 45 $^{\circ}$ West Longitude. Mark it CB.
12. Locate a point at 20 ° North Latitude and 75 ° East Longitude. Mark it D.
13. By examining the coordinates only, determine the APPROXIMATE distance between:
 a. New Orleans and St. Louis b. Philadelphia and Denver c. Wilmington, N.C. and Los Angeles d. Madrid, Spain and Edinburgh, Scotland
14. Write the following in their correct form:
60 degrees, 29 minutes, 5 seconds, North Latitude
10 degrees, 20 minutes, 50 seconds, South Latitude
125 degrees, 45 minutes, 3 seconds, West Longitude
15. Correct the errors in the following:
89° 47' 65" S
185° 24' 37" E
65° 77' 42" W
40° 50" 21' S
16. What is the latitude and longitude of Long Branch, NJ?
17. What large city has a similar latitude to that of Long Branch (Europe)?
18. What is this city's Latitude and longitude?
19. What large city in Asia has a similar latitude to that of Long Branch?
20. What is this city's Latitude and Longitude?

SOURCE: http://ludwig.missouri.edu/247/lat_long.html

21. The term "antipodes" refers to two places on opposite sides of the earth so that a straight line drawn through the earth from one to the other passes through the center of the earth. To be exact antipodes, two places must be 180 ° of longitude away from each other, antipode must be as many degrees north latitude as the other is south latitude. What are the coordinates of the antipode of Chicago? What is the nearest large land mass? What is the nearest large city? 22. Below are some geographic grid coordinates for selected cities of the world. Examine an atlas and identify each city. 34° 03' N, 118 ° 15' W ____ 34 ° 20' S, 58 ° 30' W _____ 52° 21' N, 4 ° 52' E 61 ° 12'N, 149 ° 48' W 23. A number of cities are listed below. Using an atlas, give latitude and longitude of each in degrees and minutes. Milwaukee, Wisconsin Quito, Ecuador _____ Calcutta, India London England Capetown, South Africa Moscow, Russia

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Miami, Florida