TOTAL: 100

NAME:	
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## QUIZ #1

## GEO 120-Peterson

GEO 120-reterson		
A11	questions are worth 2 pts. unless otherwise indicated.	
1.	Define Graphicacy:	
2.	Any internal reflection of reality (or the environment) may be called a	
3.	The results of a questionnaire were presented in class which suggested that many people avoid using maps. Approximtely what percentage of people could be classified as "Map Avoiders" based on the questionnaire?	
4.	List two reasons given in class for people not using maps.	
	b.	
5.	on maps reflects a compromise between the belief that everything in our environment is unique and the attitude that individual features only represent specific cases of general groupings.	
6.	When the observer assumes a vantage point directly above each mapped point simultaneously, the result is a view. (planimetric, perspective, isometric, stereographic).	
7.	on maps reflects a compromise between the belief that everything in our environment is unique and the attitude that individual features only represent specific cases of general groupings.	

8.	The purpose of symbols is to produce symbols which map users will be able to recognize through natural association. (graphic, geometric, oblique, pictographic)
9.	Smoothing (of rivers, roads, etc.) is one aspect of which one of the four cartographic abstraction processes?
10.	What is the purpose of cartographic abstraction?
11.	What are the four categories of cartographic abstraction?  1. 2. 3. 4.
12.	What more than any other factor controls the degree of map abstraction?
13.	What makes the study of the early history of cartography so difficult?
14.	What were the two major cartographic accomplishments of Ptolomy?
15.	The Hereford world map, made in the 13th century, illustrates the degree to which cartography had degenerated from the time of Ptolemy 1000 years earlier. It is the best known version of what type of map?
16.	A type of relatively accurate map that appeared suddenly at the end of the 13th century probably in response to the needs of sailors.

17.	The name of a conformal map projection developed in the 16th century and still used widely today.		
18.	What forces led to the d	levelopment of the T in O	map?
19.	What was the major advan	ce for map production dur	ring the rennaissance?
20.		ct sphere. It is called s 1/298.24 shorter than t	
21.	The circumference of the	earth is about	
	15,000 25,000		
	20,000 29,400	miles. (circle the corr	ect answer)
22 <b>.</b> 23 <b>.</b>	A projection which retains relative sizes of areas is called projection.  Draw the typical pattern of meridians and parallels for the fol classes of projections.  (2 pts. each)		
	(2 peet eeen)		
	azimuthal	conical	cylindrical
	azimutilai	Contrat	Cylindrical
24.		should meet at right angl companied by equivalent c	
25.	•	in one direction must be a site direction if the map	accompanied by an opposite

26.	What type of map is the Mercator Projection?(conformal, equivalent)			
27.	Name the four "measurement example of each. (8 pts.)	levels" for geographic information and give an		
	measurement level:	<pre>example:</pre>		
	a.	a.		
	b.	b.		
	с.	с.		
	d.	d.		
		ESSAY QUESTIONS		
(Writ	ce no more than half a page	for each question. Use following page.)		

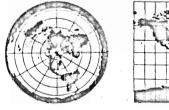
- 28. What were the distinctions made in class between (1) a map and a photograph, and (2) a map and a painting?
  (10 pts.)
- 29. Explain how Eratosthenes computed the circumference of the Earth.
- 30. Art, said Picasso, is a lie which shows us the truth. Explain why this is also true for maps.
  (10 pts.)

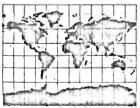
31. What is the importance of the relationship between maps and mental maps? (10 pts.).

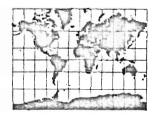
32. Draw a map depicting the route you take from your current residence to this room. This map is meant to show how you have used the process of cartographic abstraction. In a separate table, indicate three areas or places where you employed each of the following concepts:

(1) selection, (2) classification, (3) simplification, and (4) symbolization. (5 pts.)

33. Provide the general or specific name for each of these projections.













## Big Quiz #1.

SECTION I. Fill in the sentence.
1. When we orient ourselves with respect to the external environment rather than relating everything to our own location then we have a point of view.
2. Any internal reflection of the environment may be called a
3. The position of maps on the gradient between reality and abstraction is closer to
4. Give an example of a type of map symbolization which is based on convention.
5. One result of a photomap is that the perspective may be changed from central to parallel.
6. When we observe every element of a distribution this is called a inventory.
7. The idea behind is to use a small part of the population to find out what you want to know about the larger population.
7a. This method may be used for distributions when a population inventory is not feasible.
8. When the observer assumes a vantage point directly above each mapped point simultaneously the result leads to a process called mapping.
on maps reflects a compromise between the belief that everything in our environment is unique and the attitude that individual features only represent specific cases of general groupings.
10. The purpose of symbols is to produce symbols which maps users will be able to recognize through natural

11. is the collective term for any photographic or electronic scanner image of the earth's surface.

association.

- 12. The greater the amount of light energy an object reflects through the camera lense, the (<u>lighter</u>, darker) its tone on the negative.
- 13. Vegetation tends to appear in bright tones on an infrared photo because maximum (reflection, absorbtion) occurs in this spectral band from vegetation.
- 14. The higher the \_\_\_\_\_ of an image, the more detail it shows.
- 15. The farther features are from the center of the photo, the greater their \_\_\_\_\_ displacement.
- 16. Physically altering the geometry of a photo creates a photomap.
- 17. Differences in the return signal strength, which represent feature reflectance and orientation characteristics, appear as proportional grey tones on \_\_\_\_\_\_ images.
- 18. The orbit of a Landsat satellite is timed to pass over the same spot on the earth every \_\_\_\_\_ days.

we can all be accused of egocentrism it's like seeing life through a prism it leads to a primitive type of mental map based on a system of \_\_\_\_\_\_ paths

## True / False

- 1. A photo taken at one mile above the ground will be at a smaller scale than a photo taken at an altitude of two miles (using the same camera). True or False
- 2. Photographs, in general, have the same scale characteristics as scanner images. True or False
- 3. SLAR images represent passive microwave sensing. True or False

	to answer the following questions.
. a.	land-water classification
b.	temperature in Fahrenheit
c.	associated with qualitative information
đ.	arbitrary zero value
е.	city classification (small-medium-large)
f.	time (years)
g.	assumes true zero
h.	characterized by greater than less than relations
III. Es	say questions. (Use following page, write no more than half a page for each of the two questions.)
l. Answe	er one of the following:
	Why would there be a difference in spatial abilities males and females?
В.	Why are maps a neglected subject in our schools?
2. Answe	er one of the following:
A. 9	Should we strive to make maps for people or people for Why?
В. Т	Why is a one to one map not useful?