**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_**

**Geology-Unit 10 Review: Mapping**

1. Lines of latitude run\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (east/west, north/south) and are measured \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(north/south, east/west) of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(equator, prime meridian)
2. Lines of longitude run\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (east/west, north/south) and are measured \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(north/south, east/west) of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(equator, prime meridian)
3. True or False: All maps have some sort of distortion
4. Describe the type of map listed below and its disadvantages and advantages
	1. Mercator
	2. Robinson
	3. Conical
	4. Gnomic
	5. Geologic
	6. Topographic
5. Define Contour Index-

1. Define Contour Line-
2. Define Contour Interval-
3. How would you know if an area is steep on a topographic map?
4. True or False: Contour lines can cross
5. Lines point the \_\_\_\_\_\_\_\_\_\_\_\_(opposite, same) as the direction of water flow.
6. What do the following colors/markings mean:
	1. Hatchure marks:
	2. Blue:
	3. Brown:
	4. Red:
	5. Black:
	6. Green:
7. What is the contour interval on the map below? How many contour lines are there?
8. Draw a contour map with at least 5 contours lines. Mark your contour indexes & the contour interval is 25 m. Your map should be steeper on one side.
9. Match the latitude and longitude of the following cities using the map below:



\_\_\_\_Carlsbad

\_\_\_\_Albuquerque

\_\_\_\_Santa Fe

\_\_\_\_Las Cruces

A. 35°37’N, 106°5’W

B. 32°20’N, 104°16’W

C. 35°3’N, 106°37’W

D. 32°18’N, 106°55’W