

NAME: _____

CLIMOGRAPH worksheet (Short Version)

VOCABULARY

climograph – A graph that shows the annual (yearly) cycle of temperature and precipitation for a geographical location.

climate – The average weather conditions prevailing in an area over a long period of time.

weather - The state of the atmosphere at a place and time with regard to temperature, cloudiness, dryness, sunshine, wind, rain, etc.

DIRECTIONS: Use the following *climographs* to answer each of the related questions.

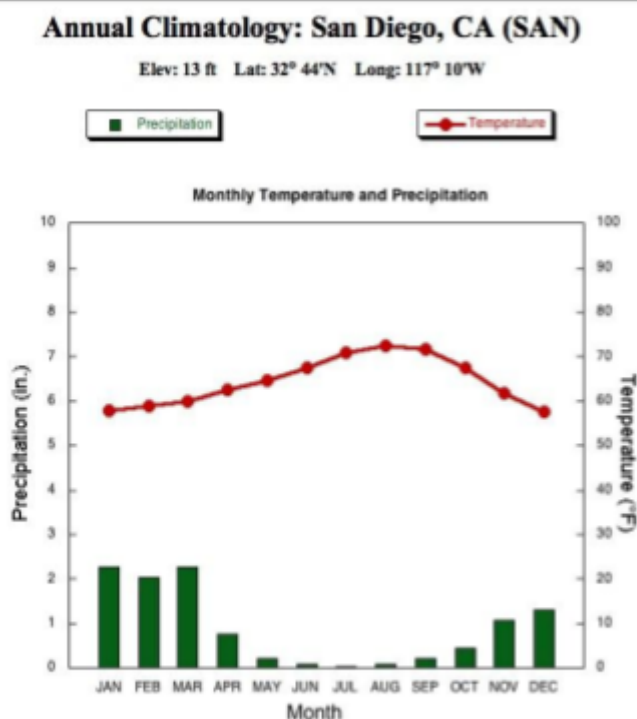
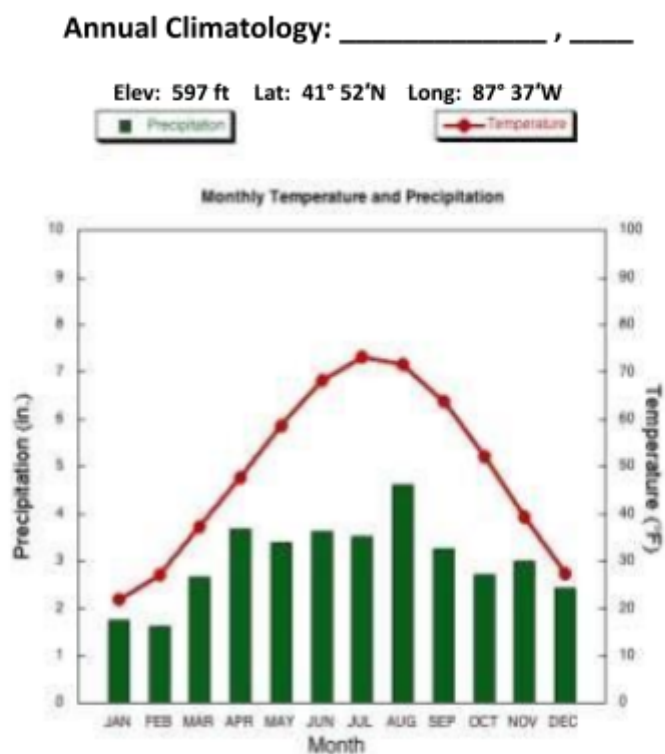


Figure 1: Average Temperatures and Precipitation 1971-2000. (NCDC Data)



- 1) Approximately how many inches of precipitation does San Diego get in January?
- 2) In which month would you be least likely to need an umbrella in San Diego?
- 3) Which month has the highest average temperature in the “mystery city”?
- 4) What is the temperature difference between the hottest month and the coldest month in the “mystery city”?
- 5) Does it ever snow in the “mystery city”? Explain your answer using information from the *climograph*.

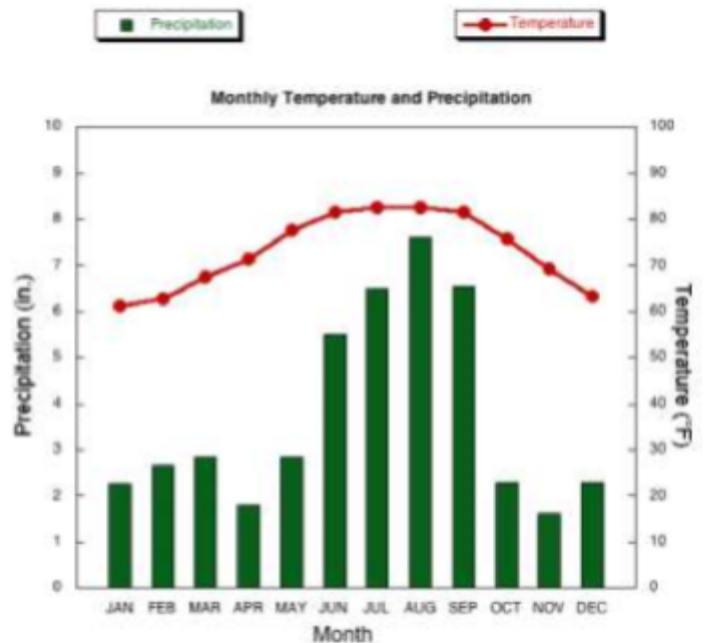
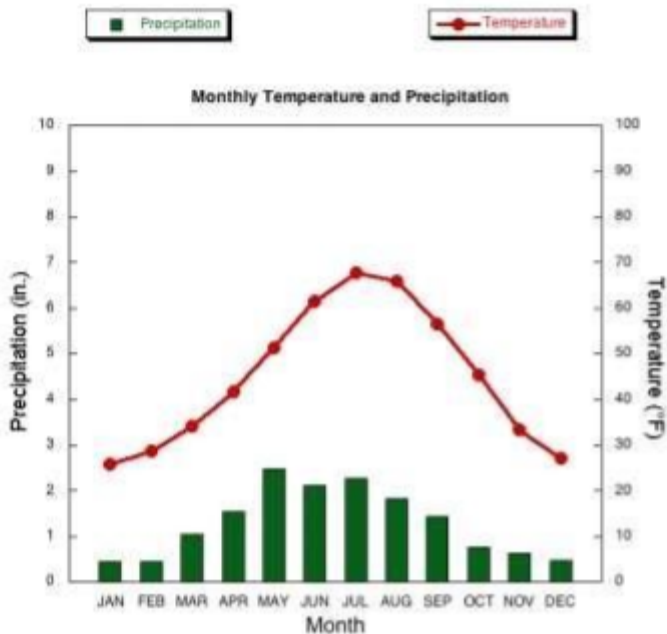
DIRECTIONS: Use the following *climographs* to answer each of the related questions

Annual Climatology: _____ , _____

Elev: 6062 ft Lat: 41°8' N Long: 104°48' W

Annual Climatology: _____ , _____

Elev: 48 ft Lat: 27°56' N Long: 82°27' W



- 1) Which city has the most precipitation during the year?
- 2) In which city would your dreams of having a "white snowy Christmas" most likely come true?
- 3) Explain your answer to question #2 using the information from the *climograph*.
- 4) After studying the climates of these four cities – San Diego, Chicago, Cheyenne and Tampa (listed in order of the climographs) – explain which city you would most like to move to and the reasons why.

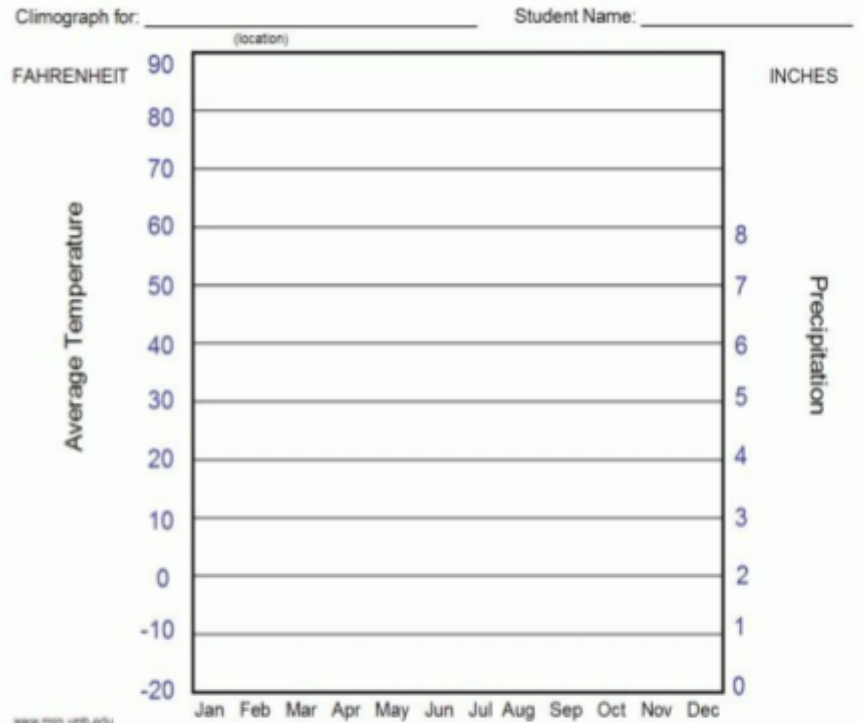
CREATE YOUR OWN CLIMOGRAPH!

Directions: Use the statistics on precipitation and temperature in each table to create a *climograph* for each city in the blank graph. Use the examples you used if you need help.

Elev: 118 ft Lat: 32°47' N Long: 79°56' W

ONLY USE TOP CLIMOGRAPH (I deleted the 2nd data table)

	Temperature	Precipitation
January	48 degrees	3.5 inches
February	51	3.5
March	58	4.5
April	65	3
May	73	4
June	78	6.5
July	82	7
August	81	7
September	76	5
October	67	3
November	58	2.5
December	51	3



There is no 2nd data table, so -->
this climograph will be blank -->

