Name: _____   Period: _____

Understanding Climate Graphs

1. Construct a climate graph for Vernon Hills using the following data:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average Monthly Temperature (deg. F)	29	25	38	50	59	71	75	73	66	53	41	28
Average Monthly Precipitation (inches)	1.8	1.8	2.4	3.6	4.0	3.7	3.6	4.8	3.5	3.2	3.1	2.4

Title: _____

J	**F**	**M**	**A**	**M**	**J**	**J**	**A**	**S**	**O**	**N**	**D**

2. The highest temperature recorded was _____ in the month of _____.

3. The lowest reorded temperature was _____ in the month of _____.

4. The total yearly precipiation was _____ inches.

5. What hemisphere is this place in ? _____ How do you

   know?_____

6. Describe the climate of Vernon Hills in your own words. _____

_____

7. Construct a climate graph for Chicago using the following data:

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average Monthly Temperature (deg. F)	27	27	39	51	60	72	75	74	68	54	43	29
Average Monthly Precipitation (inches)	2.0	2.1	2.4	2.8	2.8	2.7	2.5	4.2	3.2	3.5	1.5	2.5

Title: _____

J	F	M	A	M	J	J	A	S	O	N	D

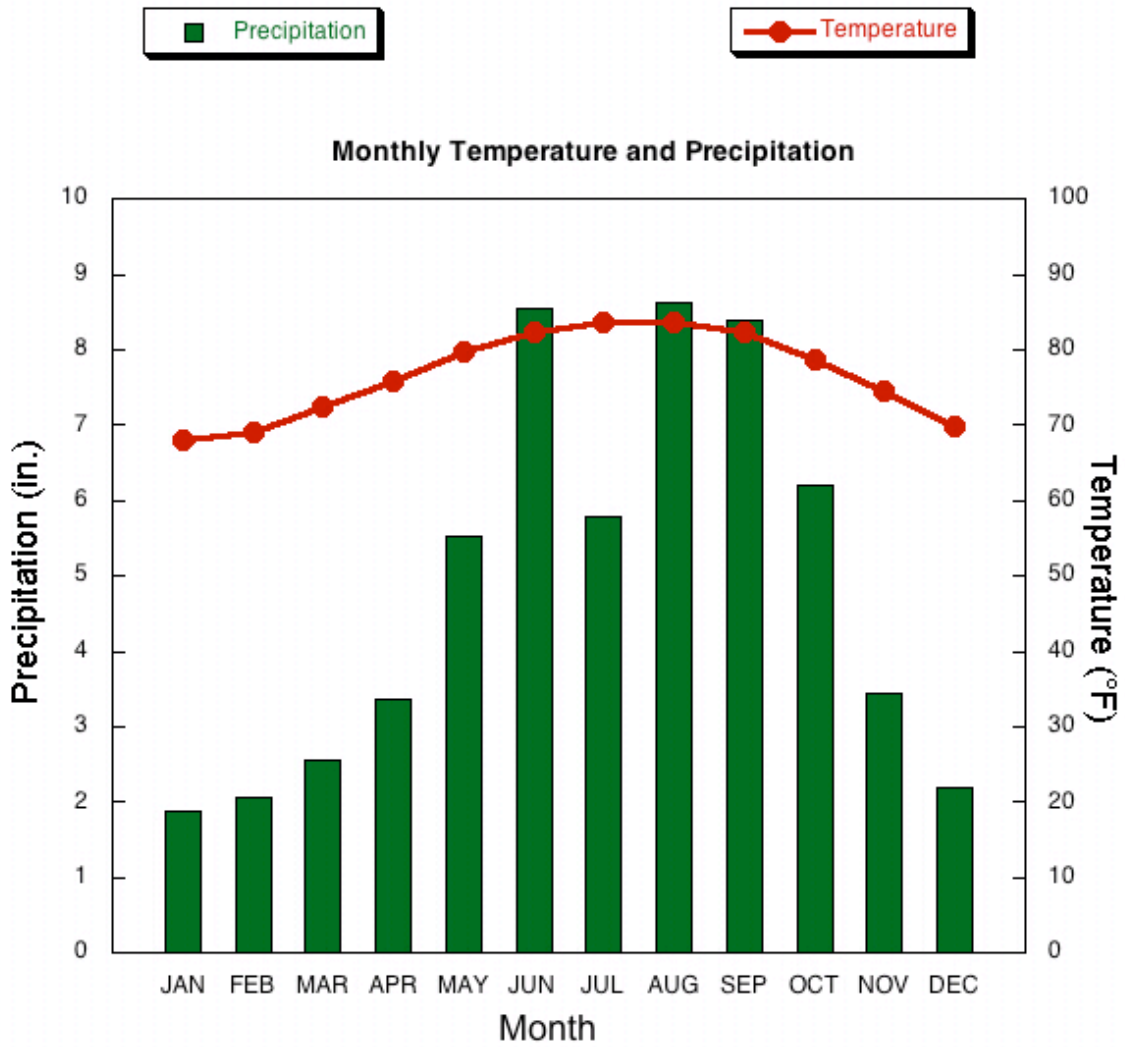8. Calculate the average annual temperature and total annual precipitation.
   Average annual temperature (hint…you are looking for the average temperature for 12 months):

   _____

   Total annual precipitation (hint…how much did it precipitate throughout the year):

   _____

9. Compare the climate characteristics of Chicago and Vernon Hills by completing the table below

	Chicago	Vernon Hills
Average Annual Temperature		
Annual Temperature Range		
Total Annual Precipitation		
What season contains the most precipitation?		

10. Using the graph below, figure out the information needed to complete the table below. What city in the United States do you think this may be? **Title the graph with your hypothesis.**

Monthly Temperature and Precipitation

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average Monthly Temperature (deg. F)												
Average Monthly Precipitation (inches)												

11. What data characteristics did you utilize in making your hypothesis? Explain.