Name: _____   Period: _____

## Analyzing Temperature, Precipitation, and Climate Graphs

Learning the Skill

Analyzing climate graphs helps you to compare weather / climate data (information) from many different places very easily. Read the title to know the climate graph's subject and purpose. Use the labels on the X- and Y-axes to tell you what is being measured. Be sure to use the key / legend to to learn what the different colors / patterns / bars / lines mean. Note if a scale, or unit of measurement, is given. Finally analyze and compare the data. Note any increases or decreases, or changes over time.

Practice and Applying the Skill

Temperature Graphs

The line graph below contains data about the average daily temperatures in three cities. Analyze the bar graph and answer the questions that follow.


Average Daily High Temperatures

Legend:
— Bangkok, Thainland
- - Helsinki, Finland
· · · Melbourne, Australia
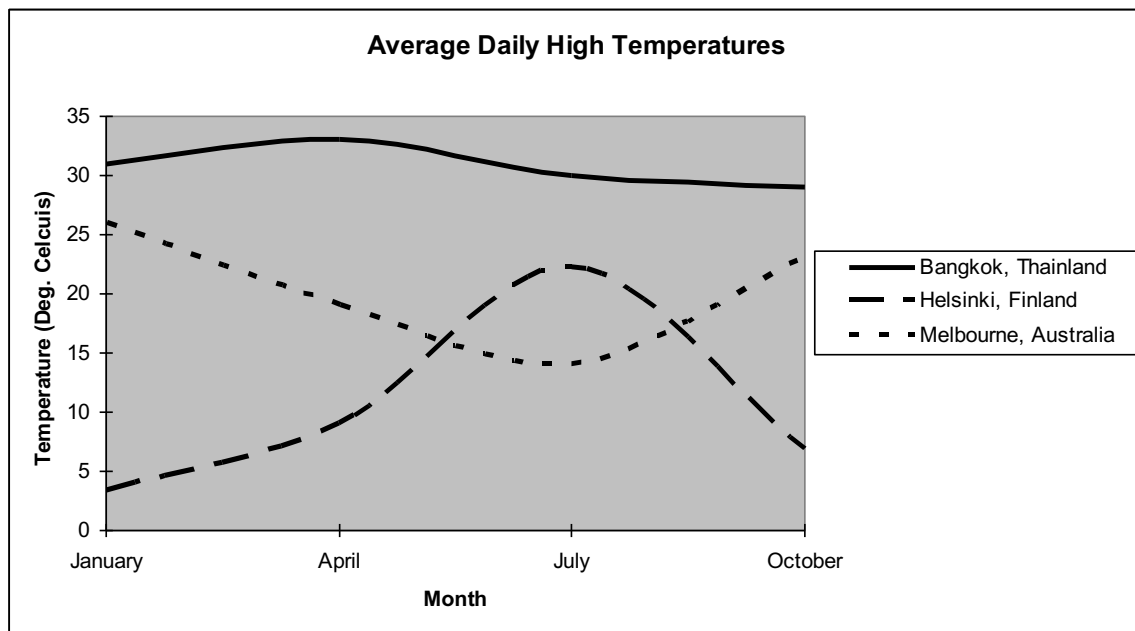
Questions:

1. What is the average daily high temperature in Melbourne in July?

2. What is the average daily high temperature in Melbourne in January?

3. What is the average daily high temperature in Bangkok in April?

4. What is the average daily high temperature in Bangkok in October?

5. What is the approximate difference in daily average high temperature in Helsinki in January and July?

6. Which city has the greatest difference in daily average high temperature over the course of a year?

Precipitation Graphs

The bar graph below contains data about the average precipitation in the same three cities. Analyze the bar graph and answer the questions that follow.

Average Daily Precipitation
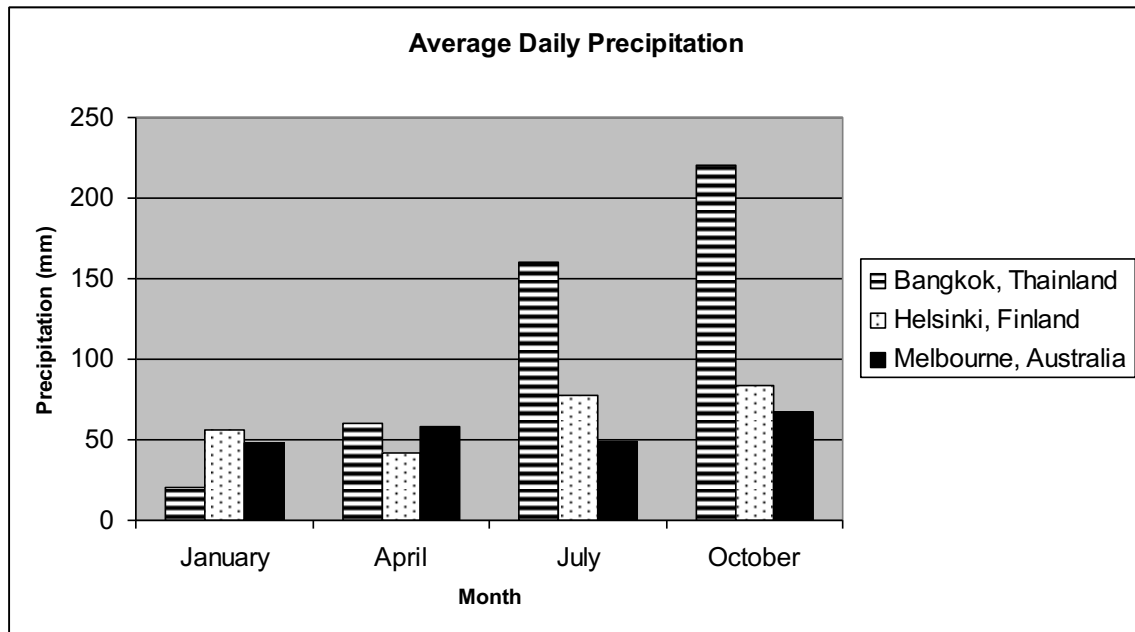
Questions:

1. What is the average daily precipitation in Melbourne in July?

2. What is the average daily precipitation in Melbourne in January?

3. What is the average daily precipitation in Bangkok in April?

4. What is the average daily precipitation in Bangkok in October?

5. What is the approximate difference in daily average precipitation in Helsinki in January and July?

6. Which city has the greatest difference in daily average precipitation over the course of a year?

Name: _____   Period: _____

Constructing a Climate Graph-use a pencil

Use the data below to construct a climate graph on the back side. Be sure to include a title, label each axis, and choose scales that are appropriate. **Months will be on your x-axis, temperature and precipitation will be on your y-axis.**
Note: temperature will be a line graph; precipitation will be a bar graph.

La Paz, Bolivia

	Average Daily Temperature	Average Precipitation (mm)
Jan	11.5	114
Feb	11.5	107
March	12	66
April	11	33
May	10.5	13
June	9	8
July	9	10
Aug	9.5	13
Sept	10.5	28
Oct	11.5	41
Nov	12.5	48
Dec	12	94