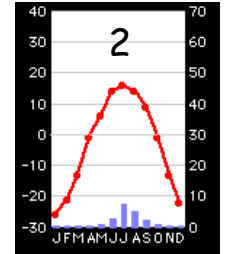
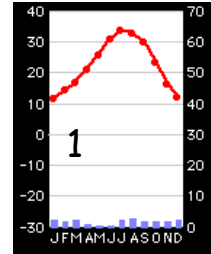


WORLD CLIMOGRAPHS A

For each city indicated on the world map, identify its climograph from those shown and explain your choice based on what you know about global climate distributions (the units on the left axis are °C, on the right are mm). HINT: THINK ABOUT GLOBAL CIRCULATION AND THE NORTH-SOUTH MOTION OF THE ITCZ AND STHPC'S THROUGH THE YEAR.

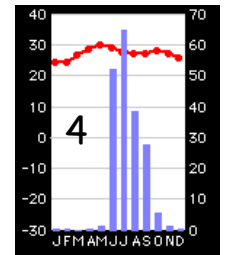
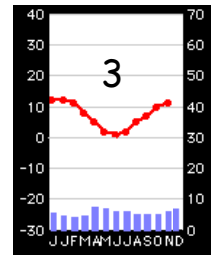
a) Phoenix, USA **1**

Dominant Air Mass or Hadley Zone: **CT ... desert**
 Continental/Maritime: **Continental ... DRY**
 Latitude (explain): **Low latitude: hot summer**



b) Mumbai, India **4**

Dominant Air Mass or Hadley Zone: **ITCZ brings Monsoon**
 Continental/Maritime: **Monsoon! Continental outside monsoon**
 Latitude: **Low latitude: steady temps, warm**



c) Quito, Equador **5**

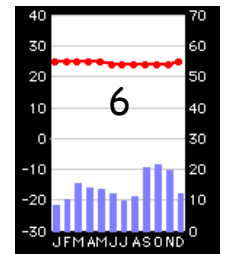
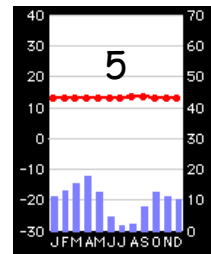
Dominant Air Mass or Hadley Zone: **ITCZ crosses twice**
 Continental/Maritime: **Continental due to Trades**
 Latitude: **Equatorial: constant temperature, cool at altitude**

c) Mbandaka, Zaire **6**

Dominant Air Mass or Hadley Zone: **ITCZ crosses twice**
 Continental/Maritime: **Continental Rainforest**
 Latitude : **Equatorial: constant temperature, warm rain forest**

e) Ulan Bator, Mongolia **2**

Dominant Air Mass or Hadley Zone: **Continental Polar!**
 Continental/Maritime: **Extreme continental, high temp. range**
 Latitude: **Highish latitude: wide temperature span!**



f) Christchurch, New Zealand **3**

Dominant Air Mass or Hadley Zone: **Maritime Polar => COOL**
 Continental/Maritime: **Maritime => mild**
 Latitude: **Southern Hemisphere, cold JJA**

