

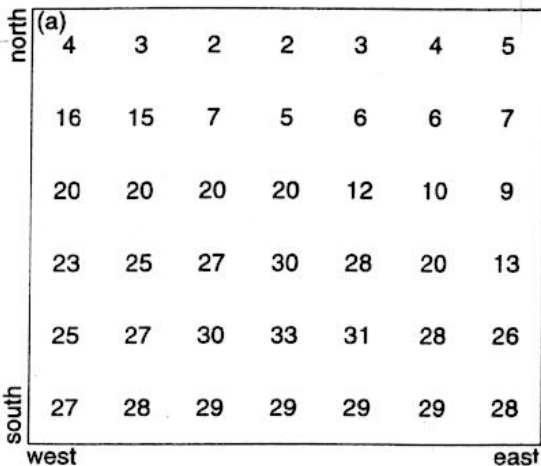
# Map Analysis, Plotting and Isolething

Meteorology for Scientists and Engineers 2<sup>nd</sup> Edition, Roland Stull, pg. 260

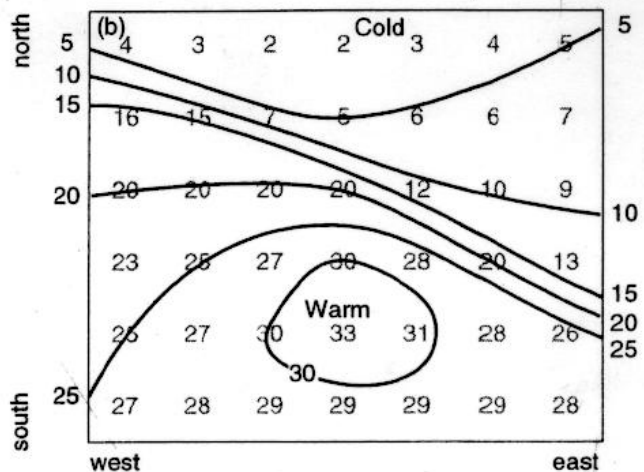
## Key Points:

- Isoleths are lines of equal value. For example, an isobar is a line of equal pressure, and an isotherm is a line of equal temperature.
- Weather maps are simplified by drawing isopleths.
- Isoleths are drawn by connecting points of equal value.
- When drawing isopleths, keep in mind the following rules:
  1. Isoleths are drawn at regular intervals.
  2. Interpolate where necessary between locations.
  3. Isoleths never cross other isopleths.
  4. Isoleths never end in the middle of a map.
  5. Each isopleth should be labeled, either at the edges of the map or along closed isopleths.
  6. Isoleths should generally not have kinks. (Exception is at fronts or jets...you will learn about this later.)

Here is a simple example of how to draw isotherms, following the rules above.



TEMPERATURE  
FIELD  
TEMPERATURE IS IN °C



ISOTHERM  
ANALYSIS