

| Lutitude |  |
| :--- | :--- | :--- |
| equator <br> (horizontal) |  |
| Distance in <br> degrees <br> North/South of |  |



## Topographic Maps

- Maps that show the surface features of the Earth
- Show elevation at different locations (aka height above sea level)
Examples of features found on a topographic map include:

Hills
Rivers
Valleys
Mountains


## Contour Lines:

- Lines of EQUAL elevation
- Measure vertical distance between 2 points - Lines will Never cross. Why not?

If you flew over the island and looked straight down, this is what you would see...


## Contour Index

- Created by bolding every ${ }^{\text {th }}$ contour line and labeling its elevation


But what happens if you have a cliff a vertical cliff?



## Contour Interval

- The difference in elevation between one contour line and the next


Contour interval: $550-500=50$
$50 / 5=10 \mathrm{ft}$ contour interval

Contour Interval on this map = ___ feet $^{500}$



## Steepness/Gradient

- Closer contour lines = steeper hill/valley
- Further contour lines = flatter hill/valley




## Relief



- The difference between the highest and lowest points on a map

Highest elevation - Lowest elevation $=$ Relief 550 feet -490 feet $=\underline{60 \mathrm{ft}}$


## Rivers

Rule of Vs: Vs indicate a valley, river, or stream


- Rivers always run from high to low elevation
- Vs point to the start of the river


