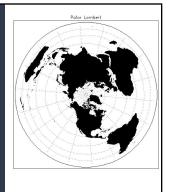
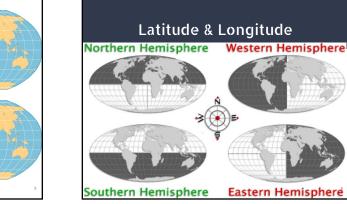


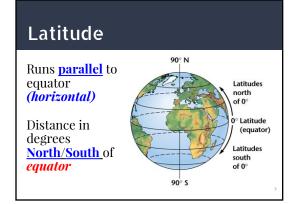
Types of Maps:

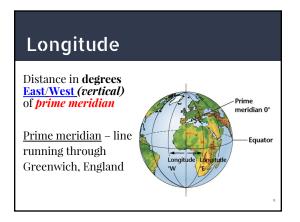
- ► Gnomic looking down on the North Pole
- Used by sailors travelling across the ocean



Types of Maps: Robinson Most widely used Distance distorted around the edges of the map (polar regions)



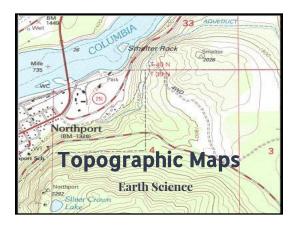




Coordinates

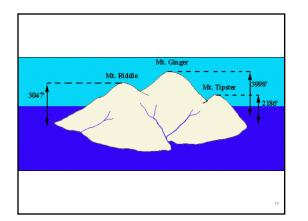


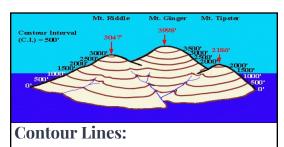
Scales SCALE 1:100 000 Highway CONTOUR INTERVAL 50 METRES Trail Bridge Ĭ +++++++ Railroad **DEFINITION:** *Ratio* between - 1 Buildings distance on map vs on the 5 ± School, church Spot elevation BM △ 283 ground Contour line Depression contour lines (hachures) Ex: 1:15.000 Stream ******* Marsh 1 unit on map = 15,000 units on ground



Topographic Maps

- Maps that <u>show the surface features</u> of the Earth
- Show <u>elevation at different locations</u> (aka height above sea level) Examples of features found on a topographic map include:
- □Hills
- □Rivers
- □Valleys
- □Mountains





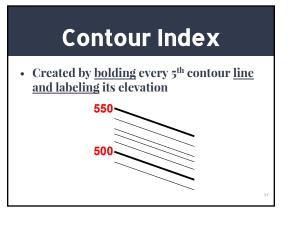
- Lines of <u>EQUAL elevation</u>
- Measure vertical distance between 2 points
- Lines will NEVER cross. Why not?

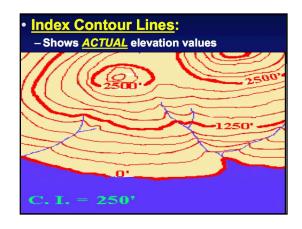
But what happens if you have a cliff a vertical cliff?

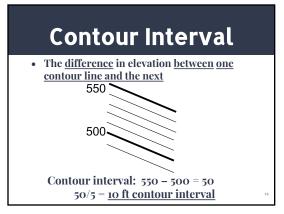


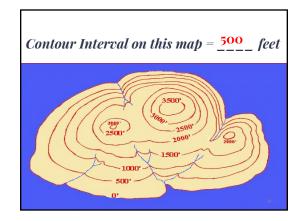
If you flew over the island and looked straight down, this is what you would see...

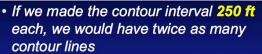


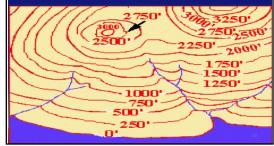












Steepness/Gradient

- <u>Closer</u> contour <u>lines = steeper</u> hill/valley
- <u>Further contour lines = flatter hill/valley</u>

