

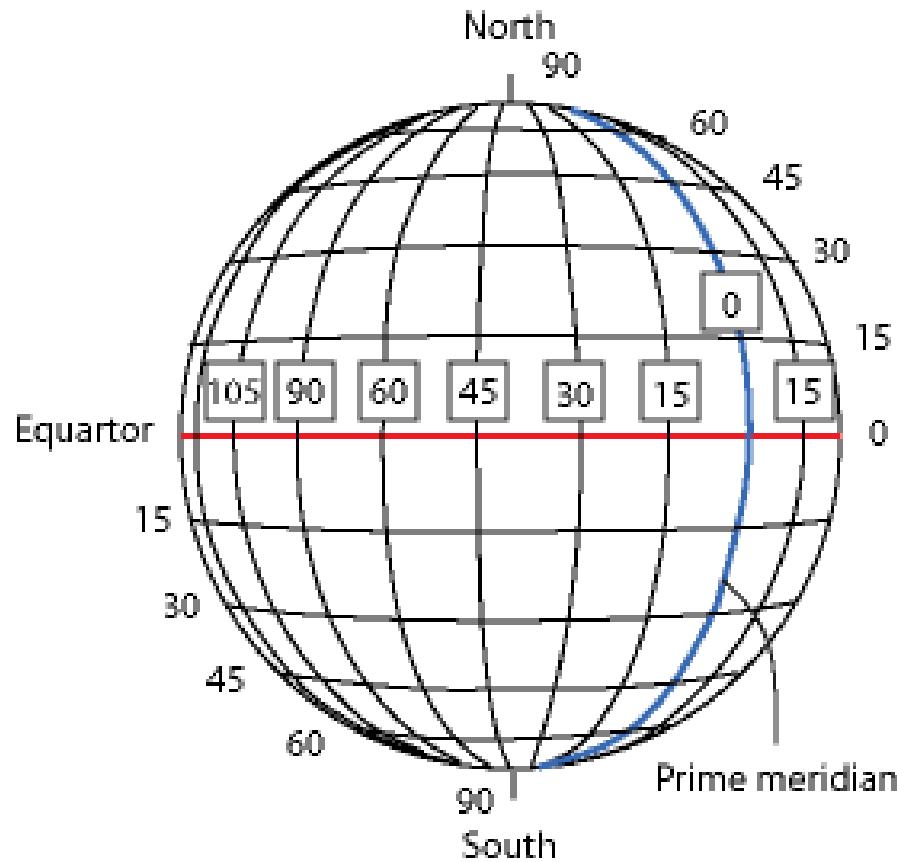
Geology 100

Notes on Planet Earth version 3.0

Review - Exam 3

Chapter 10

Longitude and Latitude



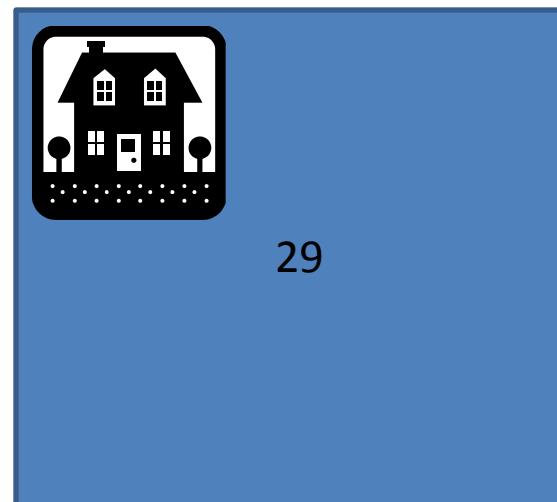
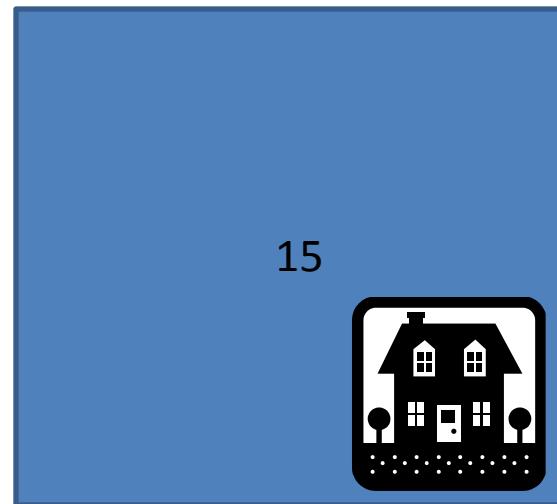
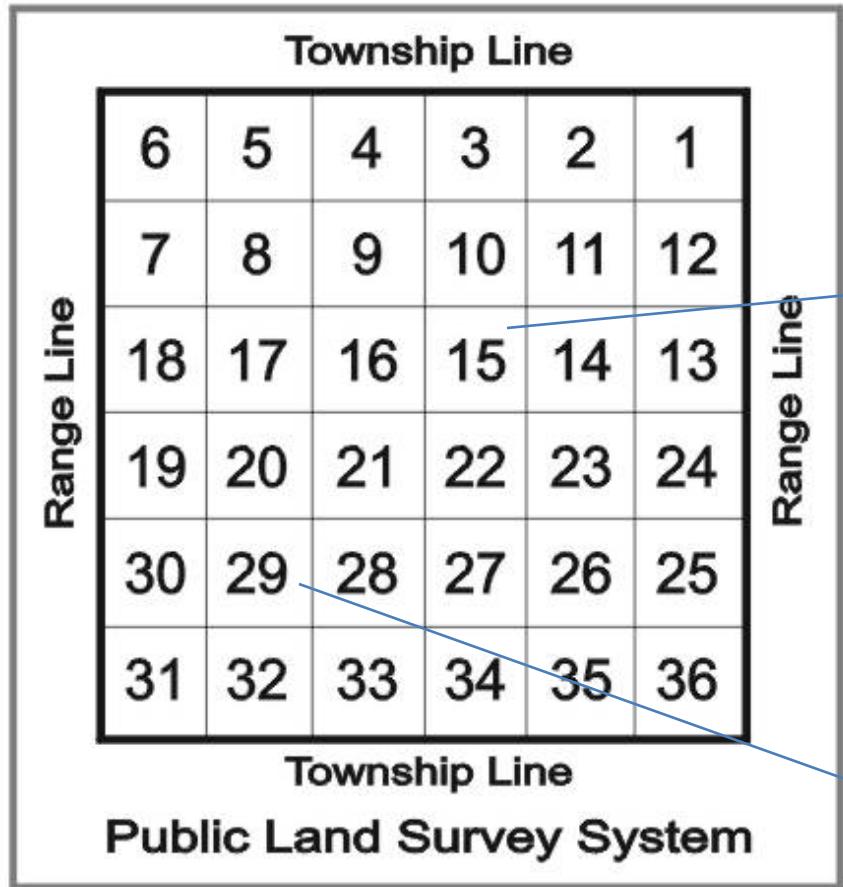
Degrees, Minutes, and Seconds

- In 1° there are 60'
- In 1' there are 60''

Quadrangles



Townships and Sections

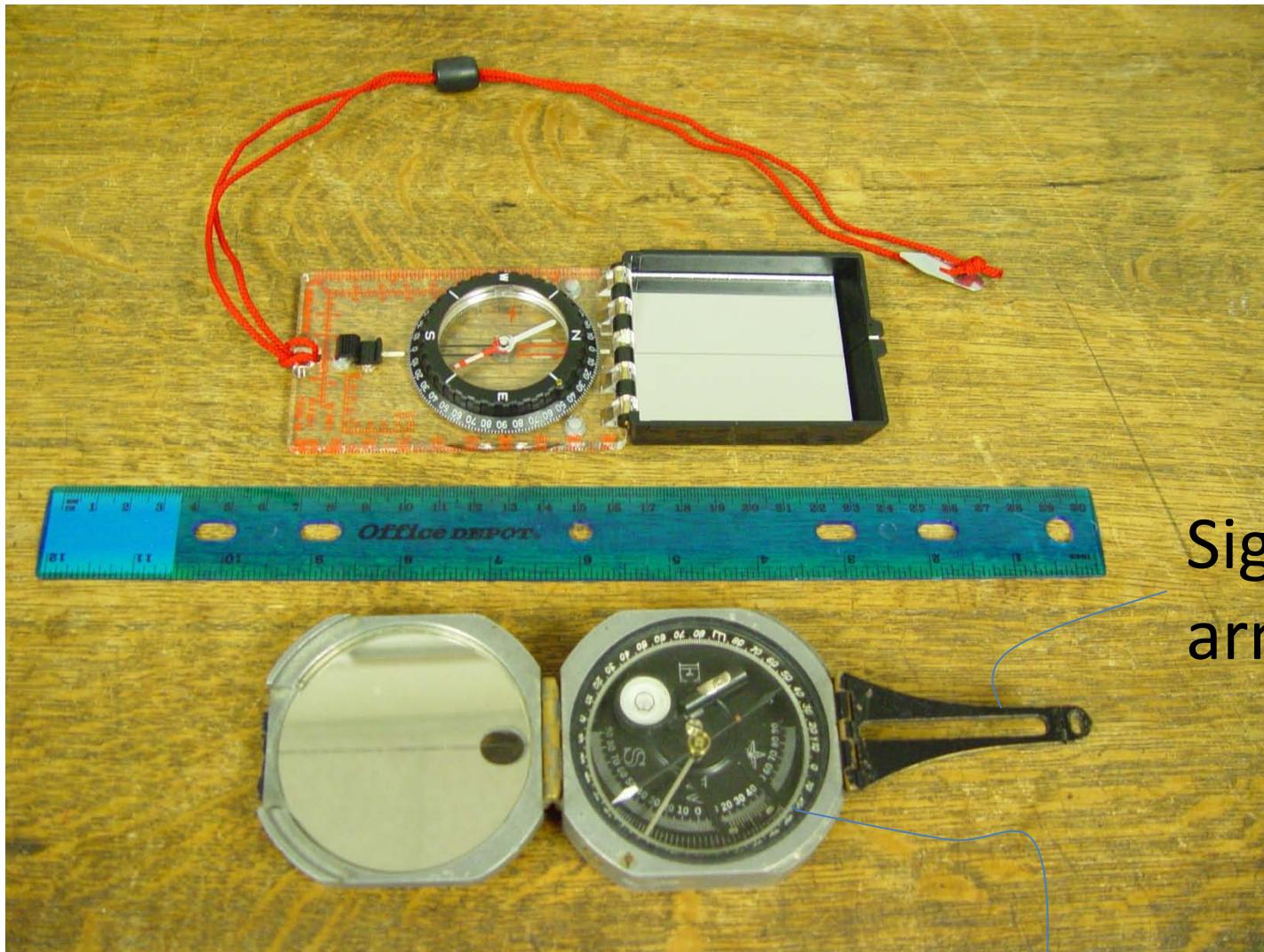


Scales

1:24000, 1:12000, 1:6000

- 1 unit on the map = 24000 units on the land surface
- 1 inch on the map = 24000 inches on the land surface
- But 1 foot is 12 inches; hence, 24000 inches = $24000'' * (1'/12'') = 2000$ feet

Magnetic Declination and Compasses



360 degree circular grid

Topographic contours

- Hills, mountains
- Ridges
- Valleys

