

Mills College 2009

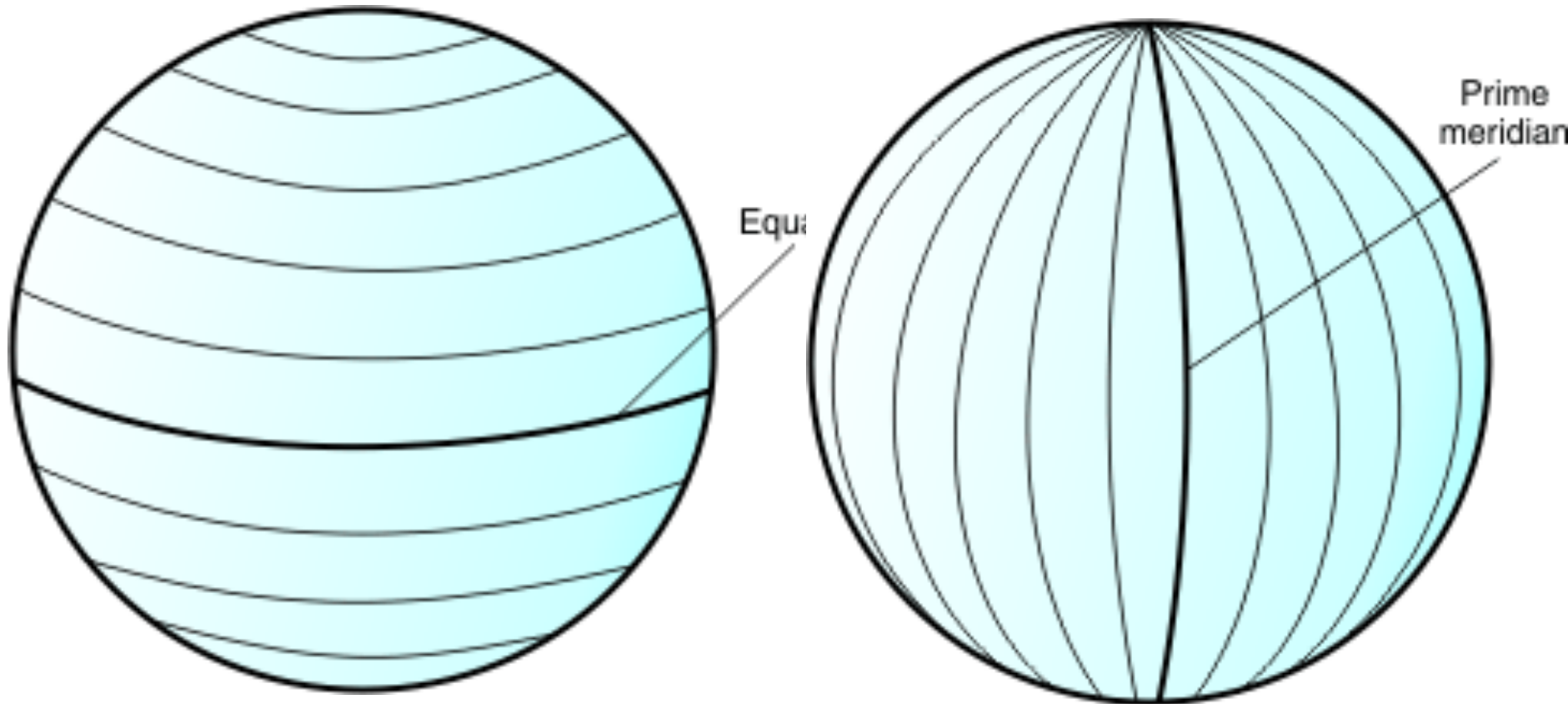
SOC128 **G**eographic **I**nformation **S**ystems *and Sociological Geography*

Projections I

Outline

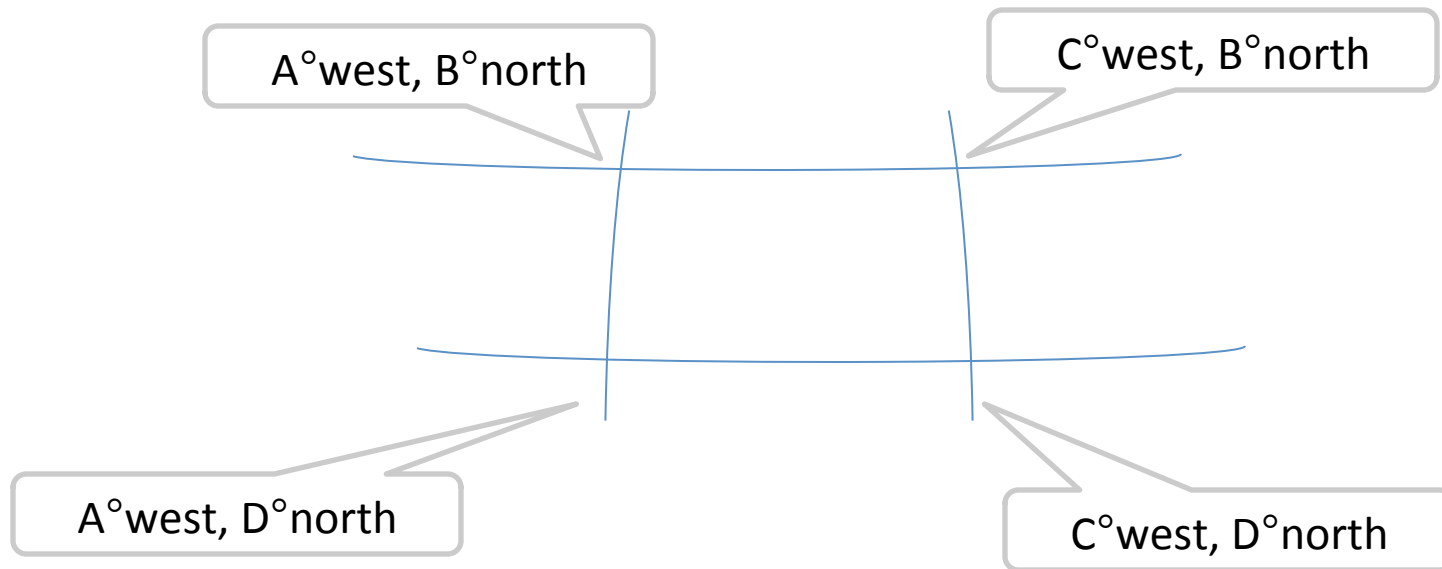
- What do you need to know going forward
- Projections and coordinate systems

The Problem

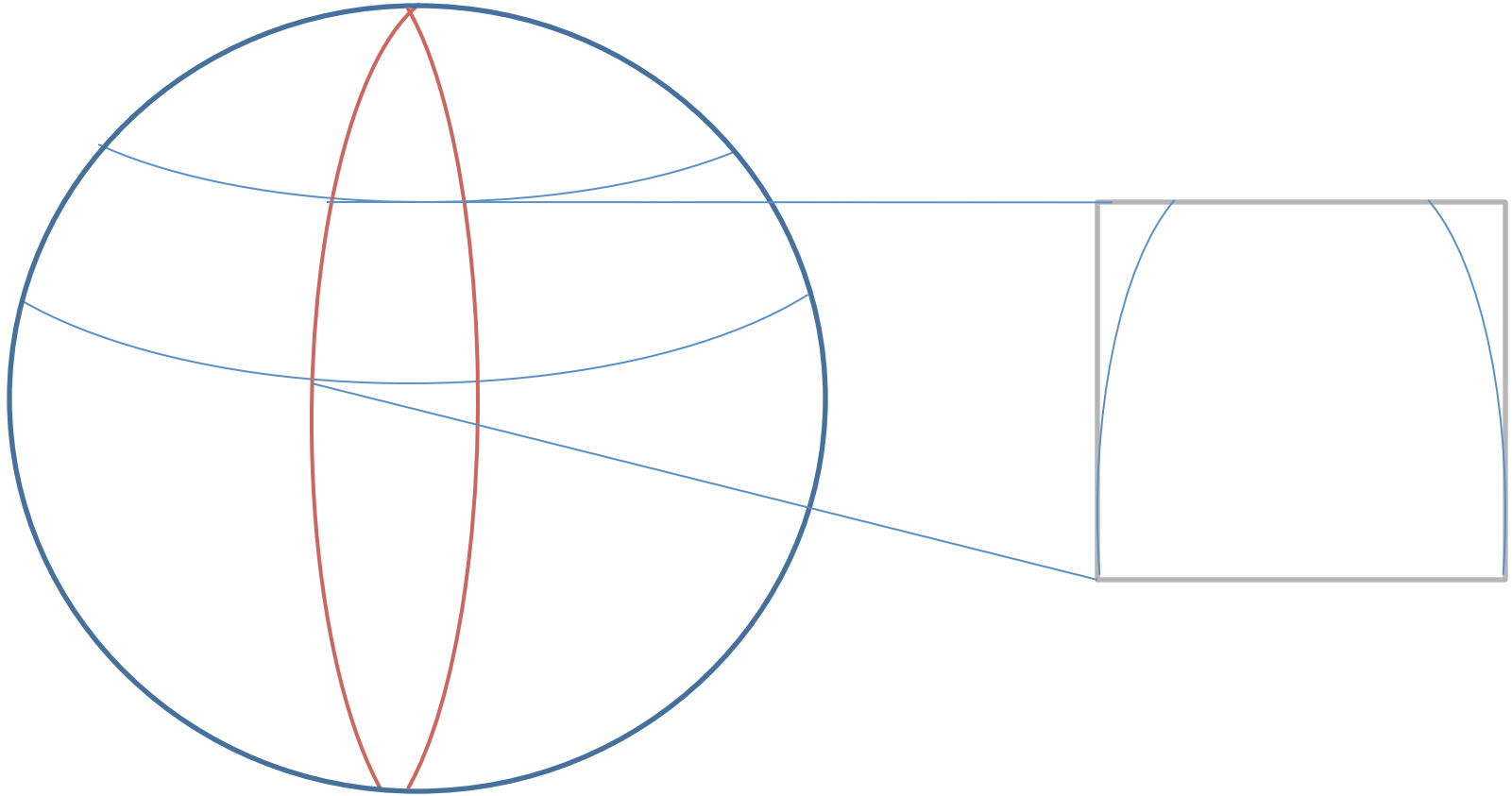


The Problem

- A “rectangle” on the earth’s surface...
- ...that is, a four cornered area aligned with parallels and meridians



The Problem

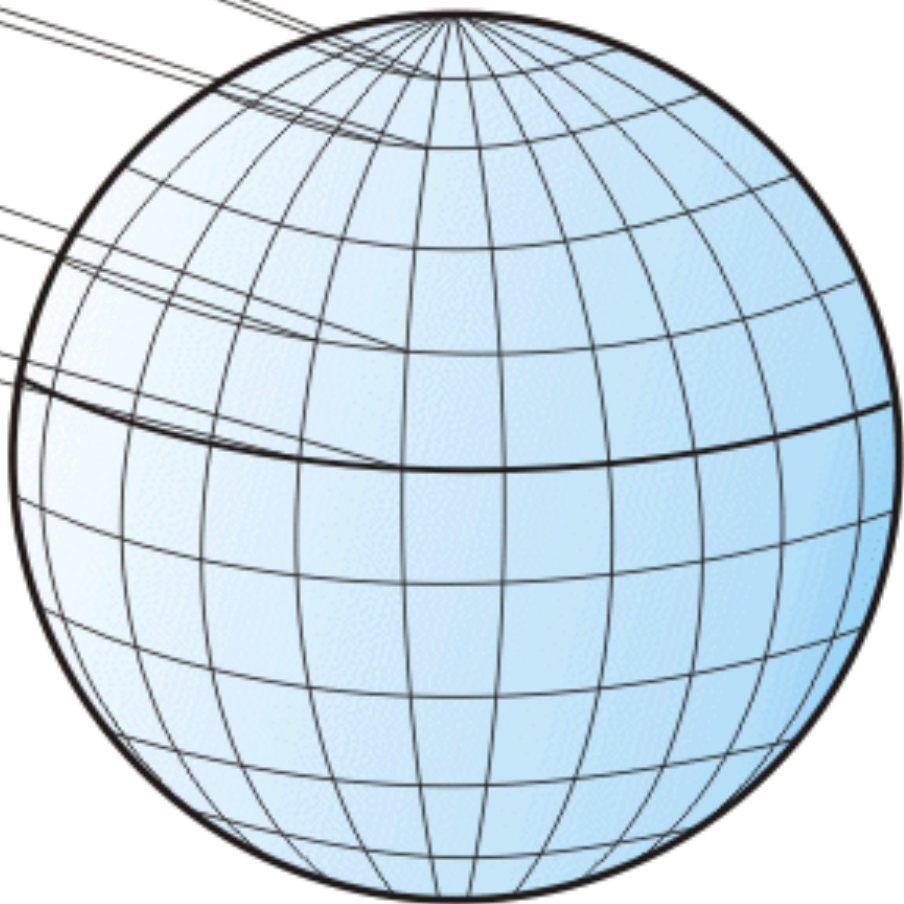


(one degree of longitude
at 60 degrees latitude)

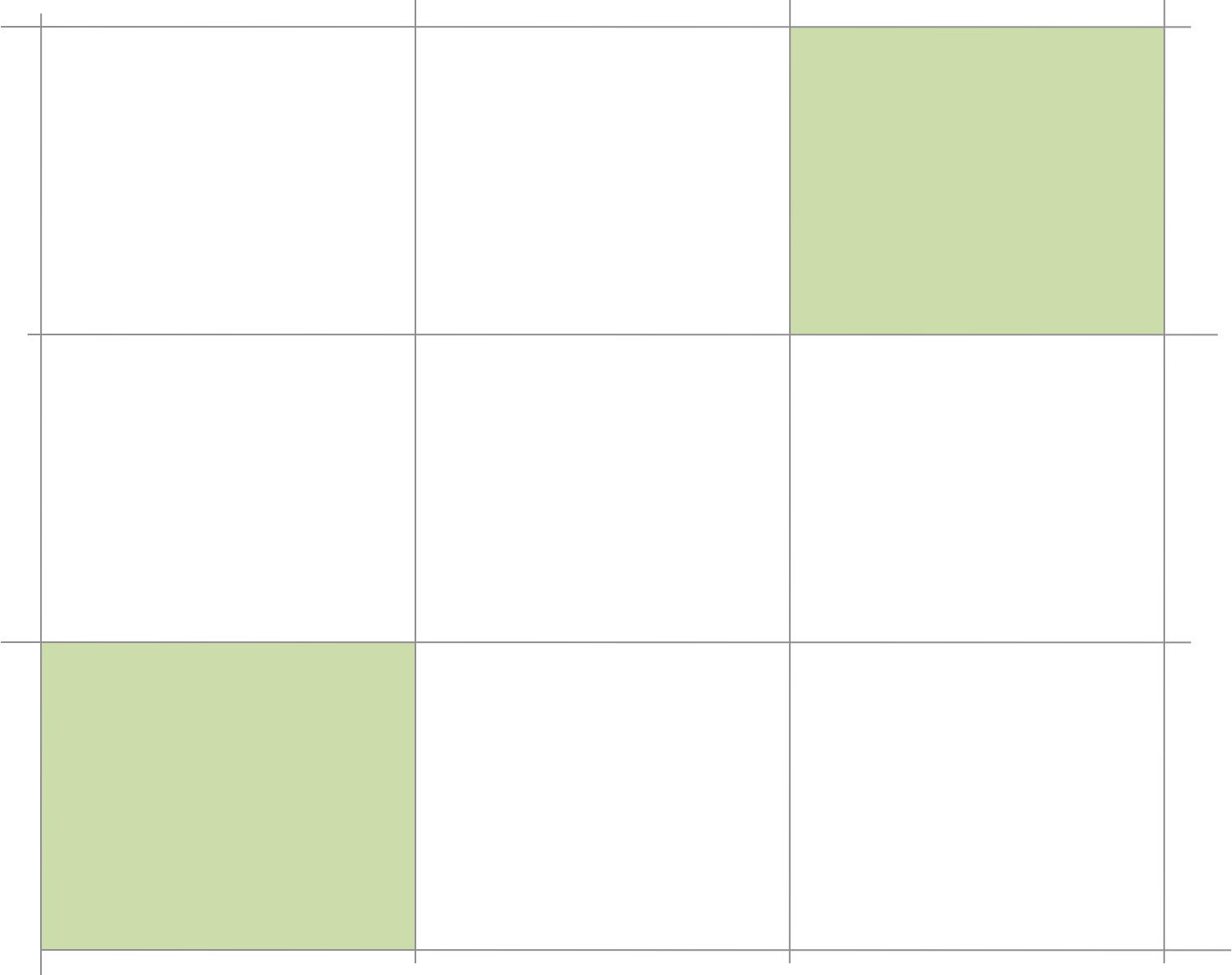
55.802KM

(one degree of longitude
at the equator)

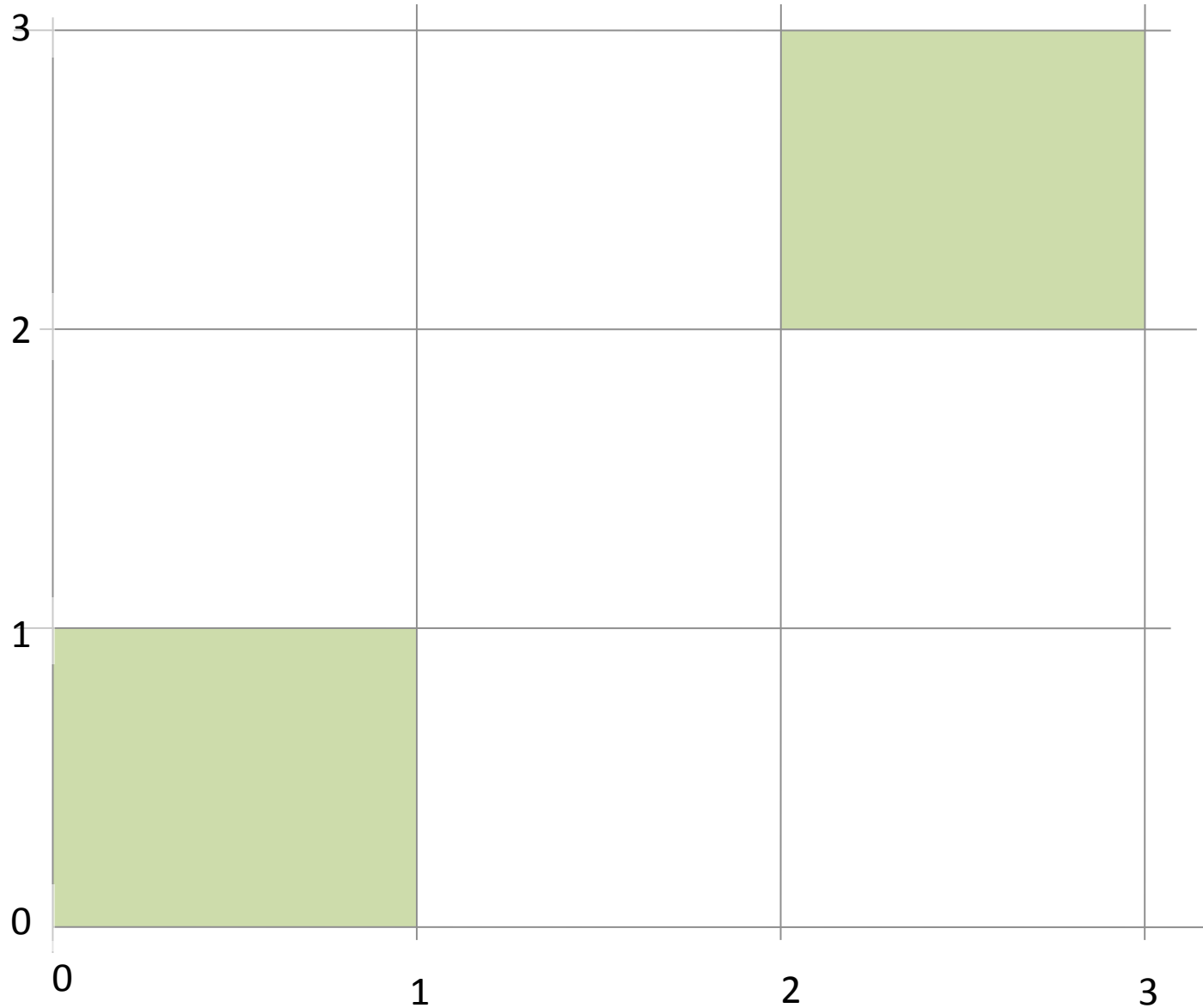
111.321KM

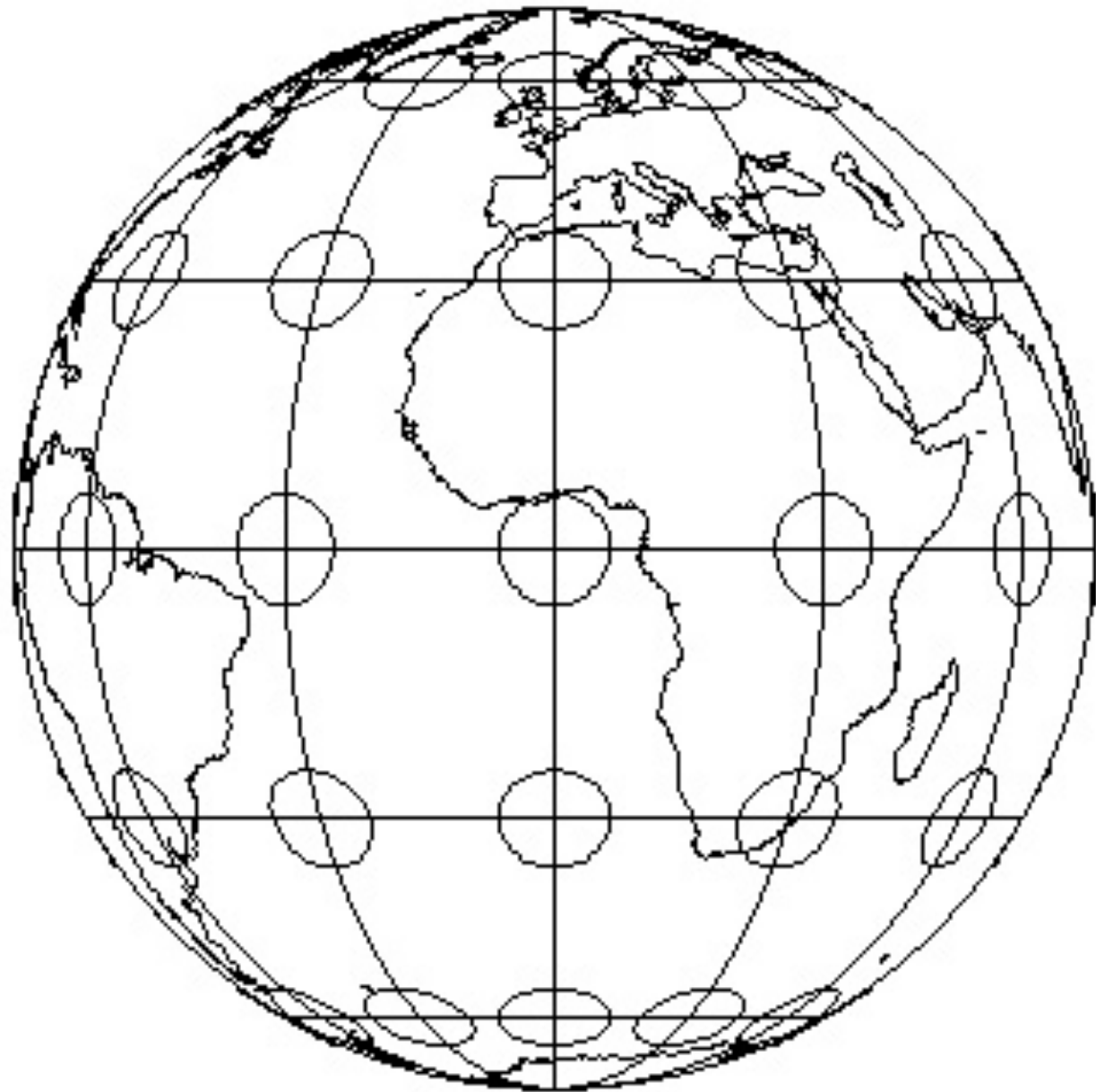


Consider 2 Square Areas on a Map



Both are 1 unit x 1 unit





Credits