



Map Skills Activity



MAP SKILLS

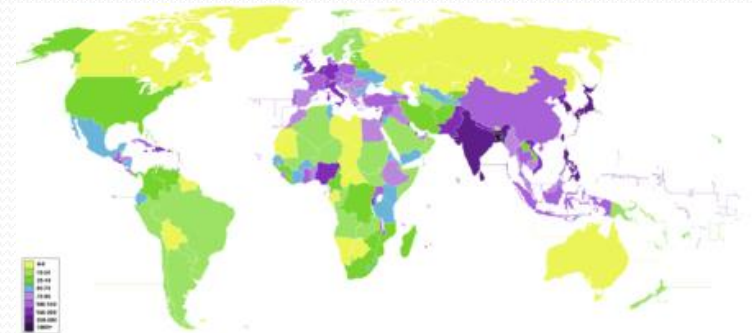


Main Map Types

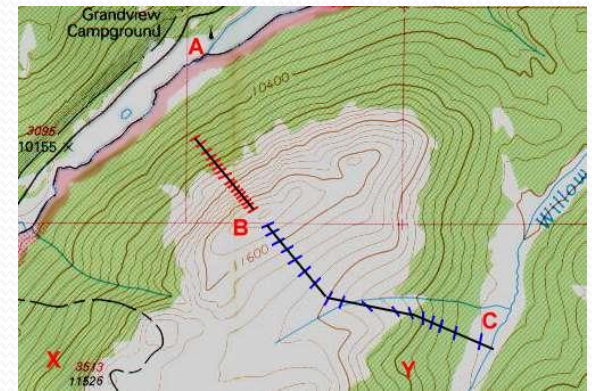
- General reference: simple map showing important physical features in an area
-Ex: road maps, physical features, tourist map



- Thematic maps: depicts information on a particular topic
-Ex: weather, population density, geologic features

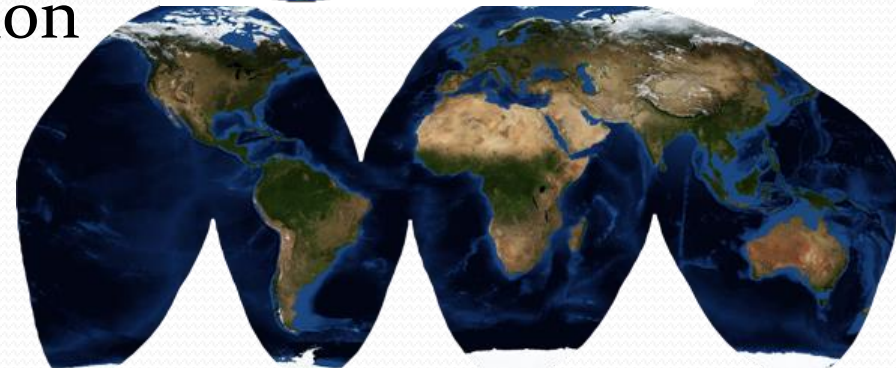
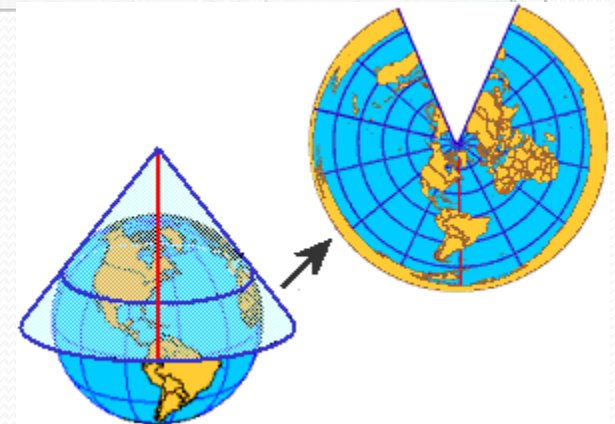
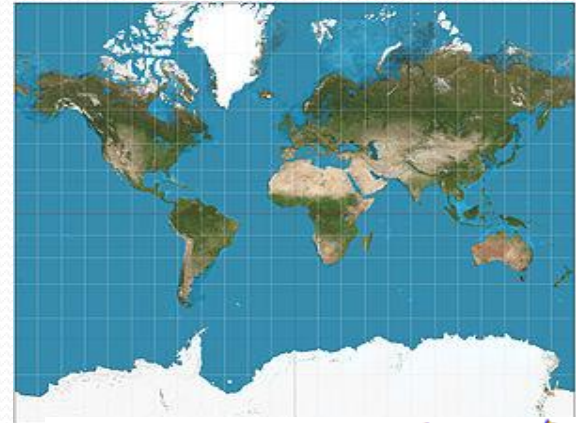


- Topographic: shows landscape in an area with the elevation in detail
-ex: elevation with emphasis on physical features and themes



Map Projections

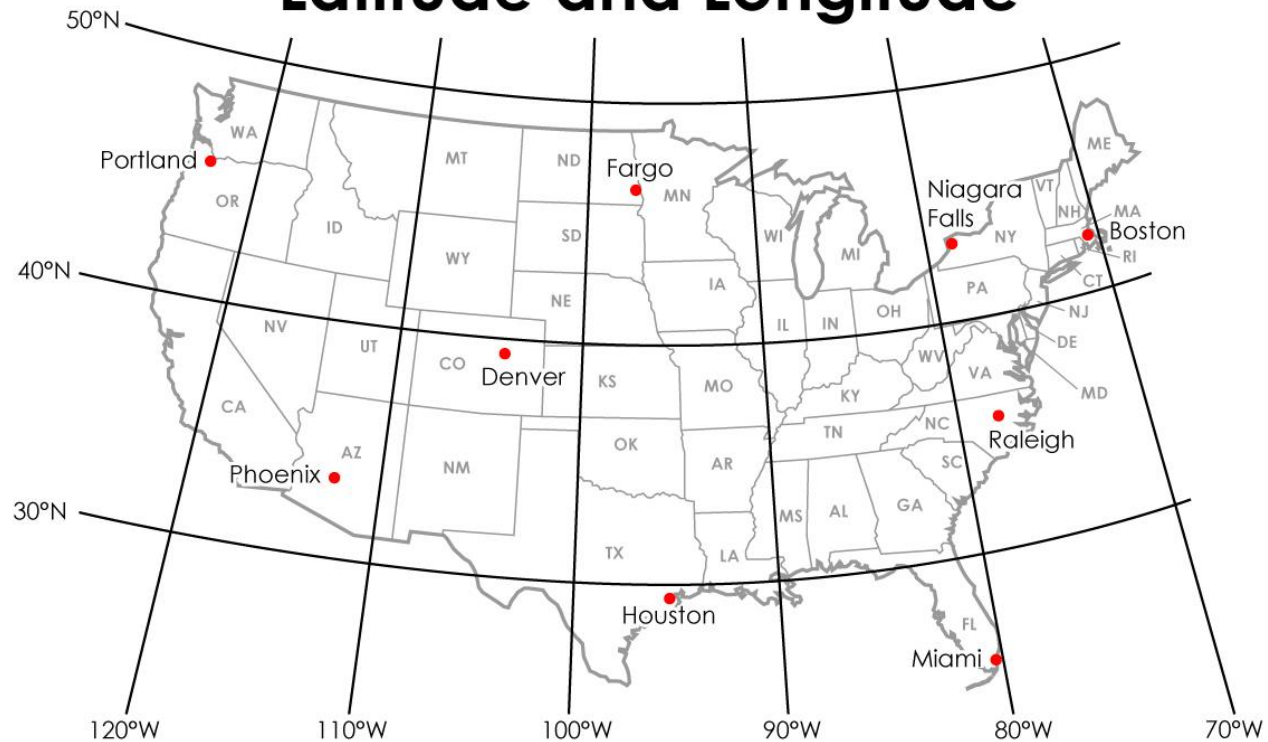
- Cylindrical: most common, landmass size distortion at top and bottom
- Conic: cone shaped image, image distorted the farther down the map
- Interrupted: accurate depiction but leaves some areas blank



Latitude and Longitude

- Read and complete Exercise 6: Latitude and Longitude
- Make sure to pay attention to the cardinal directions
 - North South East West

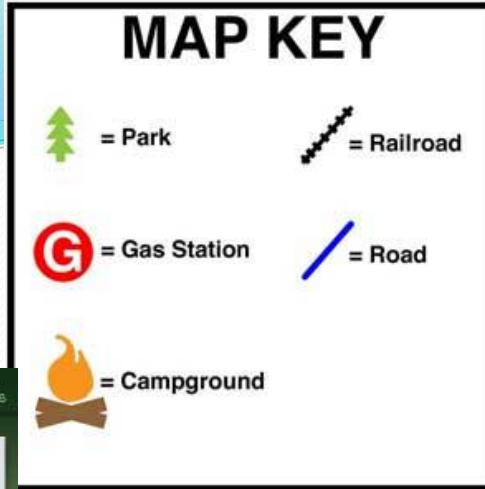
Latitude and Longitude



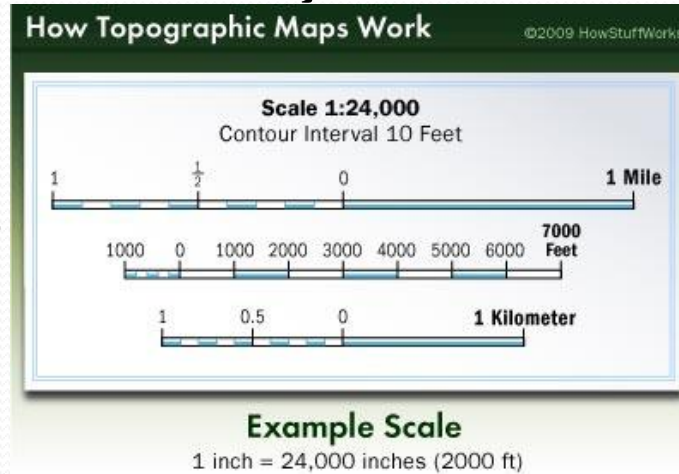
1. 33°N latitude, 112°W longitude
2. 35°N latitude, 78°W longitude
3. 45°N latitude, 122°W longitude
4. 29°N latitude, 95°W longitude
5. 43°N latitude, 79°W longitude
6. 25°N latitude, 80°W longitude

Reading Maps

- Key/legend: has symbols to identify features on the map

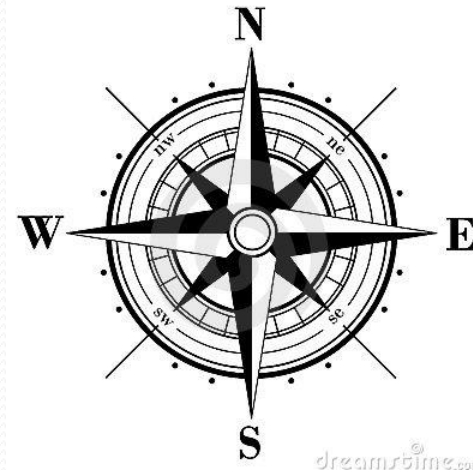


- Scale: distance on map



- orientation/directions
check for the compass rose

-Complete the contour maps activity



Creating a map

- Steps to create your map
 1. Come up with a title
 2. Decide on what features will be included
 3. Create a key to identify all included features
 4. Create a scale to ensure your map is accurate
 5. Gather necessary data to create your map
 6. Orient your map with a compass rose
 7. Begin drawing your map (make sure to label features)

Map creation

- You will now create two maps of different areas in the quad
 - Map **1**: create a detailed vegetation map of the quad, showing the different areas with plants, trees, and grass. Make sure your map is an aerial view of the quad.
 - Map **2**: create a contour map of the stage in the center of the quad. Make sure to include the front and back of the stage.