



# PROJECTED COORDINATE SYSTEMS

- ▶ Properties of the Earth or “features”
- ▶ **Direction, shape, area, distance**
- ▶ Projected coordinate systems distort some or all of these properties
  - ▶ Necessary because of the nature of moving from a 3D system to a 2D system
  - ▶ Remember, projections are mathematical transformations from angular coordinates
  - ▶ No perfect transformation
    - ▶