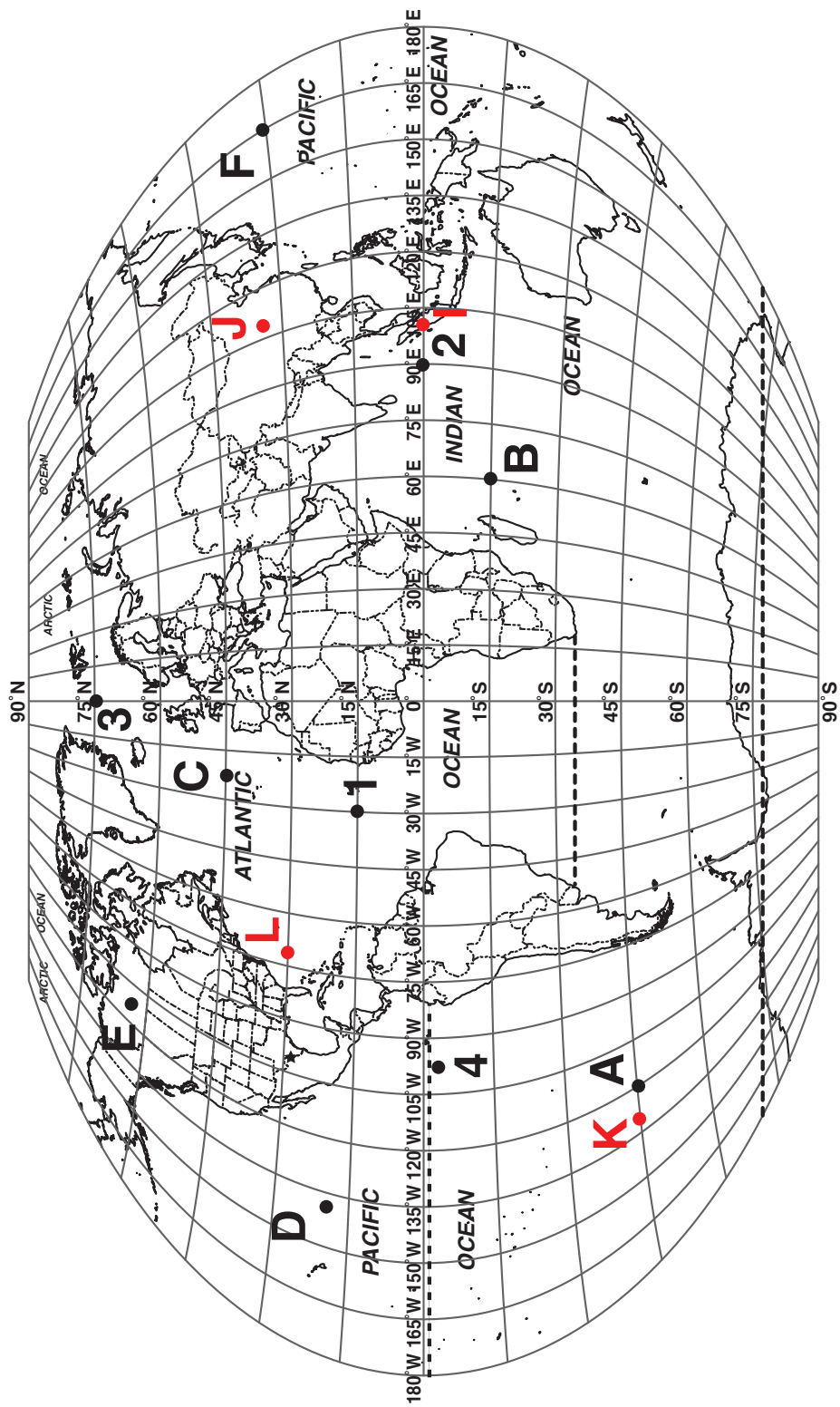


Lab 01 - Key

1. 0° latitude
2. North Pole = 90° N, South Pole = 90° S
3. Varies with person.
4. **Low Latitudes** are defined as: either N or S 0 to 30°
Middle Latitudes are defined as: either N or S 30 to 60°
High Latitudes are defined as: either N or S 60 to 90°
5. multiple question #3 X 60 miles
6. North America = North Hemisphere
Australia = South Hemisphere
7. No, you also need longitude.
8. 180° longitude
9. Varies with person.
10. North America = West Hemisphere
Australia = East Hemisphere
11. A. 45° S, 120° W D. 20° N, 140° W
 B. 15° S, 60° E E. 65° N, 112° W
 C. 45° N, 22° W F. 30° N, 165° E
12. see page 2.
13. scale A, approximately 6500 miles
14. scale B, approximately 4100 miles
15. scale c, approximately 10,000 miles
16. No map distortion causes the scale to stretch as you move closer to the poles.



17. A. $31^\circ 30' \text{ N}$, $101^\circ 30' \text{ W}$ D. 35° N , 101° W
 B. $31^\circ 45' \text{ N}$, $104^\circ 45' \text{ W}$ E. $29^\circ 15' \text{ N}$, $103^\circ 45' \text{ W}$
 C. $30^\circ 15' \text{ N}$, $96^\circ 20' \text{ W}$ F. $26^\circ 35' \text{ N}$, $98^\circ 20' \text{ W}$
18. see page 4.
19. $27^\circ 30' \text{ N}$, $99^\circ 30' \text{ W}$
20. Austin $30^\circ 15' \text{ N}$, $97^\circ 45' \text{ W}$
 Dallas $32^\circ 50' \text{ N}$, $96^\circ 45' \text{ W}$
 Brownsville $25^\circ 55' \text{ N}$, $97^\circ 30' \text{ W}$
 Amarillo $35^\circ 10' \text{ N}$, $101^\circ 50' \text{ W}$
21. North Amarillo
 West Amarillo
 South Brownsville
 East Dallas
22. scale B. approximately 145 miles
23. scale A. approximately 240 miles
24. It is an approximation since it is not exactly along the 33° N Latitude.

