

## Geog 370: Class Group Exercise – Geographic Coordinate System GCS

Make groups of 2-3(max) people to work on the following questions/problems.

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### Latitude/longitude coordinates & Decimal degrees <> Degrees minutes seconds

1. Convert  $124.35^{\circ}$  to DMS
2. Convert  $75.12537^{\circ}$  to DMS
3. Convert  $-38^{\circ}24'55''$  to DD
4. Convert  $-145^{\circ}30'28''$  to DD
5. Is the coordinate shown in #1 (above) a *latitude* or a *longitude*?
6. Is the coordinate shown in #2 (above) a *latitude* or a *longitude*?
7. Is the coordinate shown in #3 (above) a *latitude* or a *longitude*?
8. Is the coordinate shown in #4 (above) a *latitude* or a *longitude*?