

ES341 In-Class Exercise – Conversion of Longitude and Latitude

Name _____

Convert the Following Locations in Lat-Lon to Decimal Degrees (show all your math work)

(given conversions: 1 deg = 60 min; 1 min = 60 sec; 1 deg = 3600 sec)

	Lat	Dec. Deg	Long	Dec. Deg.
Seattle	47°36'40" N	_____	122°20' 57" W	_____
Honolulu	21°18'22" N	_____	157°50'10" W	_____
New York	40°30'43" N	_____	73°58'32" W	_____

Convert the following locations in Decimal Degrees to degrees-minutes-seconds

Lat		Long		Approximate Location?
25.7532° N	_____	80.2376° W	_____	_____
53.2356° N	_____	9.0034° W	_____	_____
60.487° N	_____	5.3357° E	_____	_____