

## Geospatial Lab Application 2.1 Answer Key

Question 2.1:

38°53'51.47"N, 77° 2'11.64"W

Question 2.2:

38°53'21.45"N, 77° 3'0.29"W

Question 2.3:

Approximately 0.93 miles

Question 2.4:

51°30'2.96"N, 0° 8'35.12"W

Question 2.5:

Approximately 3670 miles

Question 2.6:

Rather than being a measurement on a flat plane, the measurement reflects a spherical globe.

Question 2.7

3662.078 miles

Question 2.8:

Buckingham Palace: Zone 30

White House: Zone 18

Question 2.9:

Zone 18

Easting: ~323388.40 m E

Northing: ~4307388.10 m N

Question 2.10:

Zone 18

Easting: ~322195.57 m E

Northing: ~4306488.94 m N

Question 2.11:

~1192.83m to the east

~899.16m to the north

Question 2.12:

The Washington Monument

Zone 18

Easting: 323483.25 m E

Northing: 4306476.1 m N

Question 2.13: