

**Geospatial Lab Application 2.1:**  
**Coordinates and Position Measurements**

**Name:** \_\_\_\_\_

**Question 2.1:**

What are the coordinates for the White House in degrees, minutes, and seconds?

**Question 2.2:**

What are the coordinates for the Lincoln Memorial in degrees, minutes, and seconds?

**Question 2.3:**

According to GEP, what is the distance between the White House and the Lincoln Memorial?

**Question 2.4:**

What are the coordinates for Buckingham Palace in degrees, minutes, and seconds?

**Question 2.5:**

According to your measurement in GEP, what is the computed distance (in miles) between the White House and Buckingham Palace?

**Question 2.6:**

Why is the line curved rather than a straight line? What kind of distance is being computed here?

**Question 2.7:**

According to this Web site measurement, what is the computed surface distance (in miles) between the White House and Buckingham Palace?

**Question 2.8:**

What UTM zone is Buckingham Palace located in? What UTM zone is the White House located in?

**Question 2.9:**

What are the UTM coordinates of the White House?

**Question 2.10:**

What are the UTM coordinates of the Lincoln Memorial?

**Question 2.11:**

How many meters away to the north and east is the White House from the Lincoln Memorial?

**Question 2.12:**

What object is located approximately 912 meters south and 94.85 meters east of the White House?

**Question 2.13:**

What are the full UTM coordinates of this object?