Longitude Clues Worksheet 2012 Using Sunrise Clues to Estimate Longitude



Mystery Class #:		Longitude
Write the time of sun prime meridian.2. Record sunrise time for the sunrise	ne prime meridian at 0 morning of March 20, 201 ch at 6:02 UT. Greenwich on the map. rise at Greenwich beside	the Prime meridian
Look up the sunrise time fo table. Remember: Universa		
Place of Sunrise	Greenwich, England	Mystery Class #:
Time of Sunrise (UT)	6:02 March 20	
3. Is the Mystery Class e The Earth spins to the east east of Greenwich; a location Greenwich. Sunrise at this sunrise at Greenwich, so I location Greenwich.	. A location with sunrise ton with sunrise after Gree Mystery Class occurred	ime <i>before</i> Greenwich is enwich is <i>west</i> of (before/after)
4. How much time betwe The length of time between Greenwich is hours and subtraction or addition equation.)	sunrise at this Mystery (d minutes. (Caution:	Class and sunrise at This may not be a simple
5. For how many minute The Earth will spin for Class location and the time answer in #4 above to min	minutes between the time the sun rises at Greenwie	e sun rises at this Mystery
6. How many degrees lo The Earth spins 1 degree lo of this Mystery Class to be:	ngitude every 4 minutes.	I estimate the longitude