Assignment 12

1 a) The satellite never eclipses from March 20, 2012 to September 20, 2012 at an altitude of 600 km.

(Extra Credit) b) The satellite never is in the shadow with these assumptions, so the max duration of the eclipse between these dates are 0 seconds.

Extra credit part 2

Use altitude of 300 km and redo part a and b.

a) I got about 40 days after March 20th, so around April 29th, 2012

b) I got about 28 minutes for the max duration or 1696 seconds.