Math 1613 - Trigonometry
Written Assignment 7 - Due 2016.07.24

Directions: Please answer the following question in complete sentences. Be sure to label all geometric objects in any illustrations (if any). I will accept an answer in a scanned image format, as a pdf, or as a picture taken and sent from your awesome smart phone.

Question: The figure shows a stationary communications satellite positioned 20,000 miles above the equator. What percent, to the nearest tenth, of the equator can be seen from the satellite? The diameter of the Earth is 7927. Also, the angles formed at the top and bottom of the diagram are right angles.

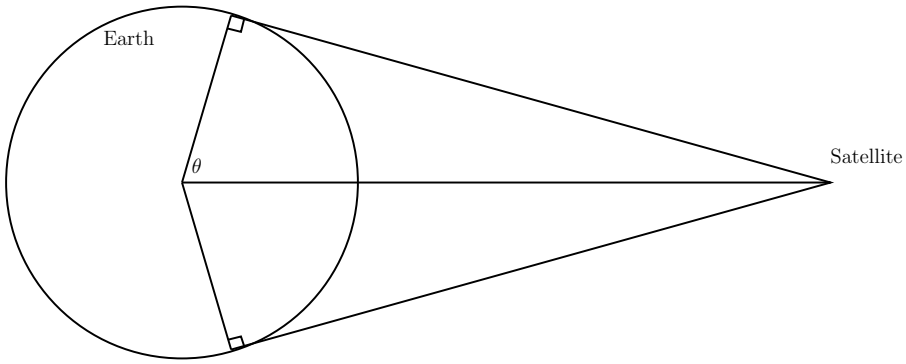

FIGURE 1. Awesome pic of the scenario for this week's problem.