

Name _____

Homework Assignment #11 due in class Wednesday November 15

Staple this cover sheet in front of your solutions.

Write the requested answers on this sheet, and do the detailed calculations on your own paper.

[50] Exam 2 questions; hand in careful solutions.

[51] Problem 6.7 *

Answer: Explain why the geodesic has the form it does.

[52] Problem 6.8 *

Answer: Explain why.

[53] Problems 6.10* and 6.20**

No answer is required here.

[54] Problems 6.1* and 6.16**

Answer: Describe the corresponding geodesics if point 1 is on the z axis.

[55] Problem 6.19 **

Answer: Sketch a picture of the surface.

[56] Problem 6.25 ***

Answer: Explain qualitatively how this surprising result can possibly be true.

