M254H HW 11
Due Friday April 11
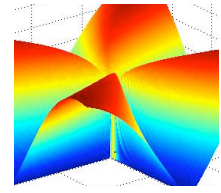
From Adams and Essex

Chapter	Page Number	Problems
14.7	838	5, 8
15.2	857	5, 9
15.3	861	3, 8, 15
15.4	869	5, 22

Non-Book Problem

1) For all $n \geq 2$, find the ratio of the volume of the unit sphere, $\|\vec{x}\| = 1$ in $\mathbf{R}^n$, to its surface area. *Hint: think of an infinitesimal volume element in terms of a surface element.*