

## **AST 475/875 Homework #6**

*Due T, Sept 28<sup>th</sup>*

1. Integrate the unit solid angle over an entire sphere to determine the number of steradians on a spherical surface.
2. Use this value to calculate the number of square degrees on a spherical surface.
3. Derive the Rayleigh-Jeans approximation to the Planckian blackbody intensity.