MAT 115 Worksheet 14 Hints
Thursday, Nov 16 2017

1. Use integration by parts with $u = \sec x$ and $dv = \sec^2 x \, dx$.

2. Use the identity $\tan^2 x = \sec^2 x - 1$.

3. Use trig sub $x = a \sin \theta$.

4. Use partial fraction decomposition.

5. Use the substitution $u = ax + b$.

6. Use integration by parts.

7. Use integration by parts with $u = \ln^n x$ and $dv = dx$.