

**Thermodynamics**  
**Homework One**  
**Due Friday, April 1, 2016**

This assignment is somewhat atypical. I anticipate that more often problems sets will have fewer problems, but each problem will be a bit longer or more difficult.

1. 1.4
2. 1.9
3. 1.11
4. 1.14
5. 1.16 (Optional, but strongly recommended for meteorology enthusiasts.<sup>1</sup>)
6. 1.18
7. 1.20

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<sup>1</sup>This problem isn't super straightforward. If you're stuck or unsure how to get started, let me know.