1. What is the effective ‘focal length’ for light passing a star of mass $M$ and radius $R$? That is, at what distance would parallel light passing on either side of the star be focussed to a point?

2. How good ($\frac{\Delta \nu}{\nu}$) a clock is needed to detect the gravitational light shift between the top and bottom of a 50 ft building? How does this compare with the latest NIST clocks?

3. What is a binary pulsar? How was it used to test General Relativity?

4. T & L 2-35

5. Kogut 7-1

6. Kogut 7-3