Physics 391
Lesson 23 Preflight

1. Describe how the Huygens-Fresnel Principle describes diffraction.

2. What is the difference between Fresnel and Fraunhofer diffraction patterns?

3. What is the mathematical criterion for achieving Fraunhofer diffraction? Also, how is this condition achieved physically?

4. How does the book calculate the electric field of a generic aperture?

5. What is the mathematical description of the intensity pattern due to a single slit?