1. Is a fit to data that passes through all data points what you should expect from a best fit?

2. What is the difference between the parameters in a theory and the variables in the theory?

3. What is the difference between an independent and a dependent variable?

4. What does “square” refer to in least square fitting?

5. What is accomplished by minimizing $\chi^2$?

6. How many equations must be solved to obtain a best fit?