

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?