

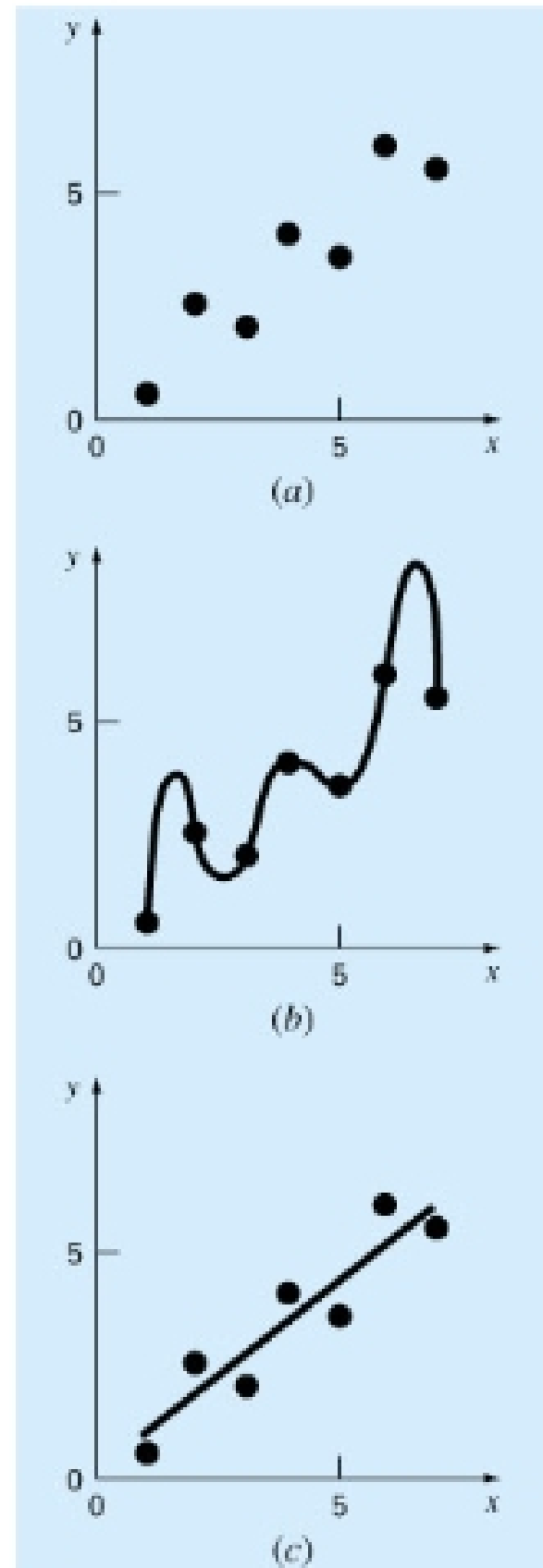


Function Approximation

- ▶ **Function approximation (Chapters 13 & 14)**
 - method of least squares
 - minimize the residuals
 - given data of points have noises
 - the purpose is to find the trend represented by data.
- ▶ **Function interpolation (Chapters 15 & 16)**
 - approximating function match the given data exactly
 - given data of points are precise
 - the purpose is to find data between these points



Interpolation and Regression





Chapter 13

Curve Fitting:

Fitting a Straight Line