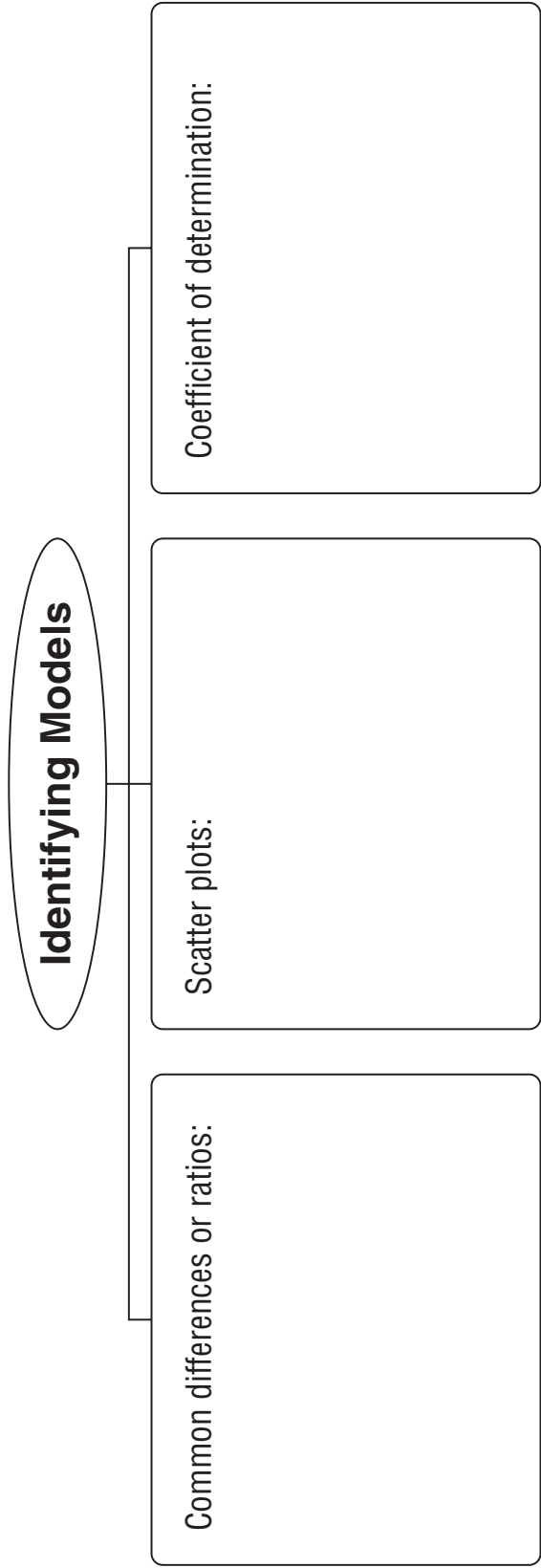




2. Get Organized Explain how each method can help you determine which model best fits a data set. (p. 701).





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Identifying Models

Common differences or ratios:
Constant first differences: linear; constant second differences: quadratic; constant third differences: cubic; constant ratios: exponential

Scatter plots:
Compare the shape of the data points to the graphs of the parent functions.

Coefficient of determination:
The closer the value of r^2 is to 1, the better the fit is.