Reading Questions for Boyce and DiPrima, Section 2.3

[Submit your responses by 1 am, Monday, Feb. 11, using the webform below.]

1. Example 1 attempts to pantomime the steps present in mathematical modeling.
   
   (a) What principle (physical or otherwise) serves to guide the construction of the model?
   
   (b) What type of model is it? Is it a differential equation or some other type of model? If it is a DE, what is its type (separable, first order linear, etc.)?
   
   (c) What is done for the “comparison with experiment/observation” step?

2. Repeat the instructions of the previous question for Examples 2 and 3.

3. Identify one item (a concept, a step in an example, a statement, etc.) from this reading assignment you found difficult or confusing.