Chapter 4, Question 1:
Aircraft/Engine Performance

To maximize endurance an airplane must be flown in a manner that

1) minimizes drag
2) maximizes lift
3) maximizes lift/drag ratio
4) maximizes power available
5) minimizes power required
6) I don't know
The correct answer is 5) Minimizes power required

To maximize time aloft (endurance) for a fixed quantity of energy (the fuel), it is necessary to minimize the rate of energy usage (power required = drag*flight velocity). Note that to maximize range, it is necessary to maximize L/D, or for a given weight, to minimize drag.

Class performance (2004):

Class performance (2003):
Class performance (2001):