On a test, you are given the following multiple choice question (only one answer is correct):

1. The number of martians inhabiting Mars is:

   (a) 1
   (b) 2
   (c) None of the above.
   (d) None of the above.

Remark: The ‘None of the above.’ in (c) refers to (a) and (b). The ‘None of the above.’ in (d) refers to (a), (b), and (c).

Suppose that you don’t know how many martians inhabit Mars. Even so, logically, you can deduce that one of the choices must be false. Which one?

Not only you should figure out which one, but also refine your logic so that you can explain this in the shortest possible way.