

**Question 31**

2003

Which of the following does  $2\log_3 a + 2\log_3 b = 2$  simplify down to?

- a)  $4ab = 2$
- b)  $a^2b^2 = 9$
- c)  $a^2 + b^2 = 2$
- d)  $a^2b^2 = 2$