

F. Three *positive* numbers a, b, c satisfy

$$\log_b a = 2, \quad \log_b(c - 3) = 3, \quad \log_a(c + 5) = 2.$$

This information

- (a) specifies a uniquely.
- (b) is satisfied by two values of a .
- (c) is satisfied by infinitely many values of a .
- (d) is contradictory.