
16. When $a = b$ and $c = d$, which of the following equations must be true?

F. $a + b = c + d$

→ G. $a + d = b + c$

H. $a + c = a + b$

J. $a - c = d - b$

K. $ad = cd$

- $3 + 3 \neq 4 + 4$

- $3 + 4 \neq 3 + 3$

- $3 - 4 \neq 4 - 3$

$3 \times 4 \neq 4 \times 4$

AXIOMS - Identity
and transitive
PROPERTY

USE EASY NUMBERS
AND PROCESS OF ELIMINATION

21. Let a , b , c , and d be positive real numbers such that $a^{10} < b^{10} < c^{10} < d^{10}$. Which of the numbers a , b , c , or d is the greatest?

- A. a
- B. b
- C. c
- D. d
- E. Cannot be determined from the given information

Key word is

"positive" d would
NOT be true if all reals

-rarely the correct answer

Axioms - When the
Exponent is equal, the
base that's largest
creates the largest #.