

This book has permission to use the "N&K method of COLORS".

7) Question: If $x = \left(\frac{1+(c+1)^P}{1+(c+1)^{P+1}} \right) y$

What is the value of "y"? nw,nc.

A) $y = \left(\frac{1+(c+1)^P}{1+(c+1)^{P+1}} \right) x$

B) $y = \left(\frac{1+(c+1)^{P+1}}{1+(c+1)^P} \right) x$

C) $y = \left(\frac{1}{1+(c+1)^P} \right) x$

D) $y = \left(\frac{1}{1+(c+1)^{P+1}} \right) x$

For speed, while solving something similar, only THINK the words in blue; WRITE only the words in other COLORS.

Given: 1) The equation.

Solve: Which is the value of "y"?

Road Map of Solution:

First Step: Rewrite the equation with only y on one side of the equation.

Rewriting the original equation:

$$x = \left(\frac{1+(c+1)^P}{1+(c+1)^{P+1}} \right) y$$

$$x = \left(\frac{[1+(c+1)^P]}{[1+(c+1)^{P+1}]} \right) y$$

$$\{x\} \times \left(\frac{[1+(c+1)^{P+1}]}{[1+(c+1)^P]} \right) = \left\{ \left(\frac{[1+(c+1)^P]}{[1+(c+1)^{P+1}]} \right) y \right\} \times \left(\frac{[1+(c+1)^{P+1}]}{[1+(c+1)^P]} \right)$$

$$\{x\} \times \left(\frac{[1+(c+1)^{P+1}]}{[1+(c+1)^P]} \right) = \left\{ \left(\frac{[1+(c+1)^P]}{[1+(c+1)^{P+1}]} \right) y \right\} \times \left(\frac{[1+(c+1)^{P+1}]}{[1+(c+1)^P]} \right)$$

$$\{x\} \times \left(\frac{[1+(c+1)^{P+1}]}{[1+(c+1)^P]} \right) = \left\{ \left(\frac{1}{1} \right) y \right\} \times \left(\frac{1}{1} \right)$$

$$\{x\} \times \left(\frac{[1+(c+1)^{P+1}]}{[1+(c+1)^P]} \right) = \left\{ (1) y \right\} \times (1)$$