

If $X = a + abc$, then c equals to _____?

- A. $c = X/a - b$
- B. $c = (X + a)/ab$
- C. $c = X/a + ab$
- D. $c = (X - a)/ab$

Show Answer...

Correct Answer: D ($c = (X - a)/ab$)

Explanation:



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To solve for c , we need to isolate it on one side of the equation. We can do this by factoring out c on the right-hand side of the equation:

$$\begin{aligned} X &= a + abc \\ X - a &= abc \\ \mathbf{c} &= \mathbf{(X - a)/ab} \end{aligned}$$

Therefore, the correct answer is A ($c = (X - a)/ab$).

In conclusion, to solve for c , we need to factor out c on the right-hand side of the equation, which gives us $c = (X - a)/ab$.