

🔍 ISILAH BAGIAN YANG RUMPANG! ✕

Selesaikan persamaan: $3^{(2x+1)} = 243$

$$3^{(2x+1)} = 3^5$$

$$2x + \dots = 5$$

$$2x = \dots$$

$$x = \dots$$

Jika $3^x = 81$ dan $3^y = 27$, berapakah nilai dari $3^{(x-y)}$?

- $3^x = 81$, maka $x = \dots$

- $3^y = 27$, maka $y = \dots$

- $3^{(x-y)} = 3^{(\dots - \dots)} = 3^{[\dots]} = \dots$

jadi, nilai $3^{(x-y)}$ adalah 3

Selesaikan: $(2^5 \cdot 2^3) / (2^4 \cdot 2^2) = 2^n$.
Berapakah nilai n?

- $2^5 \cdot 2^3 = 2^{([\dots] + [\dots])} = 2^{[\dots]}$

- $2^4 \cdot 2^2 = 2^{([\dots] + [\dots])} = 2^{[\dots]}$

- $2^8 / 2^6 = 2^{([\dots] - [\dots])} = 2^{[\dots]}$

Sederhanakan: $(2^x \cdot 4^y) / (8^z)$, jika $x = 6$,
 $y = 3$, dan $z = 2$

$$2^x = 2^{[\dots]}$$

$$4^y = (2^2)^{[\dots]} = 2^{[\dots]}$$

$$8^z = (2^3)^{[\dots]} = 2^{[\dots]}$$

$$(2^6 \cdot 2^6) / 2^6 = 2^{([\dots] + [\dots] - [\dots])}$$