

 Hukum Indeks
A. Permudahkan setiap yang berikut. **SP1.2.3** TP3

Simplify each of the following.

1. $(3^3)^4$ =	2. $(a^5)^2$ =	3. $[(-p)^3]^3$ =
4. $(3^2 \times 5^3)^2$ =	5. $(h^4 \times k^3)^6$ =	6. $(2^4 \times m^3)^5$ =
7. 8^0 =	8. $(-3)^0$ =	9. s^0 =

B. Nyatakan setiap yang berikut dalam bentuk indeks positif. **SP1.2.4** TP3

State each of the following in positive index form.

1. $3^{-2} =$	2. $z^{-4} =$	3. $\frac{1}{p^{-3}} =$
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C. Nyatakan setiap yang berikut dalam bentuk indeks negatif. **SP1.2.4** TP3

State each of the following in negative index form.

1. $5^7 =$	2. $\frac{1}{n^5} =$	3. $\left(\frac{p}{q}\right)^4 =$
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D. Permudahkan dan ungkapkan jawapan dalam tatatanda indeks. **SP1.2.4** TP3

Simplify and express the answers in index notations.

Contoh $7^3 \times 7^{-4} \div 7^{-3}$ $= 7^{3 + (-4) - (-3)}$ $= 7^{3 - 4 + 3}$ $= 7^2$	1. $3^{-3} \div (3^{-5} \times 3^3)$ =	2. $(p^2q)^3 \times p^5 \div q$ =
3. $(3 \times 2^{-2})^2 \div (2^{-2} \times 3)$ =	4. $\frac{2^{-9}}{4^{-1} \times (2^{-3})^2}$ =	5. $\frac{(ef^2)^3 \times e^{-3}f}{e^{-2}f^7}$ =