

Nama:

Kelas:

No Absen:

Lembar Kerja Peserta Didik

Sifat-Sifat Eksponen

Sederhanakan bentuk eksponen berikut menggunakan sifat-sifat yang berlaku pada bentuk eksponen

$$a^m \times a^n = a^{m+n}$$

$$2^2 \times 2^3 \longrightarrow$$

$$2^{-3} \times 2^2 \longrightarrow$$

$$2^{\frac{1}{2}} \times 2^{\frac{3}{2}} \longrightarrow$$

$$2^{\frac{1}{4}} \times 2^{\frac{1}{2}} \longrightarrow$$

$$(a^m)^n = a^{m \times n}$$

$$(2^2)^3 \longrightarrow$$

$$(2^{-3})^2 \longrightarrow$$

$$(2^{-3})^{-4} \longrightarrow$$

$$(2^{\frac{1}{2}})^{\frac{2}{3}} \longrightarrow$$

$$\frac{a^m}{a^n} = a^{m-n}$$

$$\frac{2^6}{2^4} \longrightarrow$$

$$\frac{2^{-6}}{2^2} \longrightarrow$$

$$\frac{3^{-9}}{3^{-5}} \longrightarrow$$

$$\frac{3^{\frac{1}{2}}}{3^{\frac{3}{2}}} \longrightarrow$$

$$\left(\frac{a}{b}\right)^m = \frac{a^m}{b^m}$$

$$\left(\frac{1}{2}\right)^2 \longrightarrow$$

$$\left(\frac{3^3}{4^2}\right)^3 \longrightarrow$$

$$\left(\frac{3^6}{2^4}\right)^{-\frac{1}{2}} \longrightarrow$$

$$\left(\frac{4^4}{2^2}\right)^{\frac{1}{2}} \longrightarrow$$