LATIHAN SOAL
BILANGAN BERPANGKAT

NAMA = [ ]

KELAS = [ ]

Kerjakan soal-soal berikut dalam buku latihan!

1. Tentukan nilai dari:

a. 3^4 = [ ]

b. -2^5 = [ ]

c. $(-5)^2$ = [ ]

d. 5^{-3} = [ ]

e. $\frac{1}{2^4}$ = [ ]

f. $\frac{1}{3^{-2}}$ = [ ]

g. $\frac{1}{2^{-6}}$ = [ ]

h. $\left(\frac{2}{3}\right)^4$ = [ ]

i. $\left(\frac{3}{4}\right)^{-2}$ = [ ]

j. $\left(\frac{2}{5}\right)^{-3}$ = [ ]

Kerjakanlah soal-soal berikut.

2 Sederhanakan bentuk pangkat berikut.

a. $m^5 \times m^7$ = [ ]

b. $2a^5 \times 5a^2 \times 3a$ = [ ]

c. $\frac{1}{2}a^4 \times 5a^3 \times 3a$ = [ ]

d. $(5^3x^5y) \times (5^2y^4)$ = [ ]

e. $\left(32p^3q^2r\right) \times \left(\frac{1}{4}p^4qr^6\right)$ = [ ]

3 Sederhanakan bentuk pangkat berikut.

a. $5^{10} : 5^8$ = [ ]

b. $a^3b : ab^4$ = [ ]

c. $(8p^3q^5r^2) : (4pq^2r^2)$ = [ ]

d. $\frac{27x^3y^5z^2}{3xy^2z}$ = [ ]

4 Tentukan nilai dari:

a. $2^4 \times 2^3$ = [ ]

b. $(-2)^3 \times (-2)^5$ = [ ]

c. $3^2 \times 3^{-5} \times 3^3$ = [ ]

d. $\left(\frac{1}{2}\right)^3 \times \left(\frac{1}{2}\right)^2$ = [ ]

e. $\left(\frac{1}{2}\right)^7 \times \left(\frac{1}{2}\right)^{-4}$ = [ ]

f. $\frac{7^5}{7^6}$ = [ ]

g. $\left((2)^3\right)^{-2}$ = [ ]

h. $\frac{4^5 \times 5^6 \times 3^4}{3^2 \times 4^3 \times 5^4}$ = [ ]

i. $\frac{49^3 \times 8^6}{7^5 \times 2^{16}}$ = [ ]

j. $\frac{2^5 \times 25^6 \times 9^4}{16^2 \times 5^{12} \times 27^2}$ = [ ]

LIVEWORKSHEETS