# LEMBAR KERJA MURID (LKM)

Nama : ..... Kelas : ..... Tanggal : .....

**3.** Tulislah dalam bentuk bilangan berpangkat.

a. $\frac{1}{625} = \ldots\ldots$

b. $\frac{125}{1000} = \ldots\ldots$

c. $\frac{(8a) \times (2a)}{1024} = \ldots\ldots$

d. $0{,}00000343 = \ldots\ldots$

**4.** Ubahlah menjadi pangkat positif.

a. $2^{-2} = \ldots\ldots$

b. $(3b)^{-4} = \ldots\ldots$

c. $6g^{-4} = \ldots\ldots$

d. $\frac{a}{4b^{-2}} = \ldots\ldots$

e. $\frac{4c}{16^{-5}} = \ldots\ldots$

**5.** Sederhanakan bentuk berikut.

a. $\frac{\left(\frac{1}{5}\right)^4}{\left(\frac{1}{5}\right)^7} = \ldots\ldots$

b. $\frac{\left(\frac{4}{16}\right)^3}{\left(\frac{8}{32}\right)^2} = \ldots\ldots$

c. $\frac{8^3}{4^2} \times \frac{32^5}{16^2} = \ldots\ldots$

d. $\frac{3^2}{4^3} : \frac{8}{27} \times \left(\frac{2}{3}\right)^3 = \ldots\ldots$

**6.** Sederhanakan bilangan berpangkat berikut.

a. $\frac{1{,}5^3 \times 1{,}5^4}{1{,}5^5} = \ldots\ldots$

b. $\frac{(-4)^7 : (-4)^3}{(-4)^4} = \ldots\ldots$

c. $\frac{9^3}{9^6} \times \frac{4^6}{4^4} = \ldots\ldots$

d. $\frac{8^4 - 8^2}{2^2} = \ldots\ldots$

**7.** Sederhanakan bilangan berpangkat berikut dan tentukan nilai $p$.

a. $\frac{4^3}{2^2} = 4p \Rightarrow p = \ldots\ldots$

b. $\frac{(-4)^2}{2^3} \times \frac{8^4}{(-16)^2} = 2^p$

$\Rightarrow p = \ldots\ldots$

c. $\frac{9^p}{4^3} \times \frac{27^2}{2^5} = 3^5 \Rightarrow p = \ldots\ldots$

d. $\frac{(-9)^2}{5^3} \times \frac{625^3}{(-81)^2} = 3^p$

$\Rightarrow p = \ldots\ldots$

LIVEWORKSHEETS