

Ayo Mencoba

Ayo selesaikan **Aktivitas 2** dibawah ini bersama teman kelompokmu.

AKTIVITAS 2

1. Berdasarkan **Defenisi 1.2**, tentukan nilai $x^{-3} (y^4)$, jika $x = -2$ dan $y = 2$.

$$x^{-3} (y^4) = \frac{(\dots)^{\dots}}{(\dots)^{\dots}} = \frac{(\dots)^{\dots}}{(\dots)^{\dots}} = \dots = \dots$$

2. Berdasarkan **Defenisi 1.4** dan **Defenisi 1.5**, tentukan nilai $x^2 \times x^7$, $\frac{x^2}{x^7}$, jika $x = 2$

$$x^2 \times x^7 = (\dots)^{\dots} \times (\dots)^{\dots} = (\dots)^{\dots + \dots} = (\dots)^{\dots}$$
$$\frac{x^2}{x^7} = \frac{(\dots)^{\dots}}{(\dots)^{\dots}} = (\dots)^{\dots - \dots} = (\dots)^{\dots} = \dots$$

3. Gunakan sifat-sifat eksponen dalam menyederhanakan bentuk-bentuk eksponen dibawah ini:

$$\bullet \frac{2^5 \times 2^3}{2^2}$$

$$\bullet \left(\frac{(3^0)^2}{(3)^3} \right)^{-1}$$

$$\bullet \frac{2^5 \times 2^3}{2^2} = \frac{(\dots)^{\dots + \dots}}{(\dots)^{\dots}} = \frac{(\dots)^{\dots}}{(\dots)^{\dots}} = (\dots)^{\dots - \dots} = (\dots)^{\dots}$$

$$\bullet \left(\frac{(3^0)^2}{(3)^3} \right)^{-1} = \left(\frac{(\dots)^{\dots \times \dots}}{(\dots)^{\dots}} \right)^{\dots} = \left(\frac{(\dots)^{\dots}}{(\dots)^{\dots}} \right)^{\dots} = ((\dots)^{\dots - \dots})^{\dots}$$
$$= ((\dots)^{\dots})^{\dots} = (\dots)^{\dots \times \dots} = (\dots)^{\dots}$$

