

Bài 2: Viết thành dạng tích các lũy thừa sau:

1) $(-2)^4$; **Hướng dẫn giải**: $(-2)^4 = (-2)(-2)(-2)(-2) = 32$

$$2) 2^2 = 2 \cdot 2 = 4$$

$$3) (-2)^3 =$$

$$4) (-3)^2 = \quad =$$

$$5) (-3)^3 =$$

$$6) (-3)^4 =$$

$$7) \left(-\frac{1}{2}\right)^3 = \left(\begin{array}{c} - \\ \end{array}\right) \cdot \left(\begin{array}{c} - \\ \end{array}\right) \cdot \left(\begin{array}{c} - \\ \end{array}\right) = \left(\begin{array}{c} - \\ \end{array}\right)$$

8) Hướng dẫn: số không có dấu ngoặc hoặc dấu trừ trước

dấu ngoặc. Vd: $-2^3 = -(2 \cdot 2 \cdot 2) = -8$

$$9) -2^4 = \left(\begin{array}{c} -2 \\ -2 \\ -2 \\ -2 \end{array} \right) = \left(\begin{array}{c} -16 \\ -16 \\ -16 \\ -16 \end{array} \right)$$

$$10) -2^5 = \left(\begin{array}{c} -2 \\ -2 \\ -2 \\ -2 \\ -2 \end{array} \right) = \left(\begin{array}{c} -32 \\ -32 \\ -32 \\ -32 \\ -32 \end{array} \right)$$

$$11) -3^4 = \left(\begin{array}{c} -3 \\ -3 \\ -3 \\ -3 \end{array} \right) = \left(\begin{array}{c} -81 \\ -81 \\ -81 \\ -81 \end{array} \right)$$

$$12) -\left(\frac{1}{2}\right)^2 = \left(\begin{array}{c} \text{---} \\ \text{---} \end{array}\right) \cdot \left(\begin{array}{c} \text{---} \\ \text{---} \end{array}\right) = \left(\begin{array}{c} \text{---} \\ \text{---} \end{array}\right)$$

$$13) -\left(\frac{1}{3}\right)^3 = \left(-\right) \cdot \left(-\right) \cdot \left(-\right) = \left(-\right)$$

$$14) -\left(\frac{3}{2}\right)^3 = (-) \cdot (-) \cdot (-) = (-)$$

$$15) -\left(\frac{7}{8}\right)^4 = (-) \cdot (-) \cdot (-) \cdot (-) = (-)$$

$$16) -(-2)^2 = [] = []$$

$$17) -(-2)^3 = [] = []$$

$$18) -(-3)^4 = [] = []$$

$$19) -\left(-\frac{1}{5}\right)^2 = (-) \cdot (-) = (-)$$

$$20) -\left(-\frac{3}{4}\right)^3 = (-) \cdot (-) \cdot (-) = (-)$$