

2.1 POTENSSISÄÄNNÖT

lts. kirjasta säännöt, alla esimerkit

$$\underline{E1} \quad -3^4 = -3 \cdot 3 \cdot 3 \cdot 3 = \underline{\underline{-81}}$$

$$\underline{E2} \quad (-3)^4 = (-3) \cdot (-3) \cdot (-3) \cdot (-3) = \underline{\underline{81}}$$

$$\underline{E3} \quad 2^3 \cdot 2^2 = 2^{3+2} = \underline{\underline{2^5}} = \underline{\underline{32}}$$

$$\underline{E4} \quad \frac{2^3}{2^2} = 2^{3-2} = 2^1 = \underline{\underline{2}}$$

$$\underline{E5} \quad (2 \cdot 3)^4 = 2^4 \cdot 3^4 = 16 \cdot 81 = \underline{\underline{1296}}$$

$$\underline{E6} \quad \left(\frac{2}{3}\right)^3 = \frac{2^3}{3^3} = \underline{\underline{\frac{8}{27}}}$$

$$\underline{E7} \quad (2^3)^4 = 2^{3 \cdot 4} = \underline{\underline{2^{12}}} = \underline{\underline{4096}}$$