

Incorrect. Remember that $5^x 5^y = 5^{x+y}$ and $(5^a)^b = 5^{ab}$. You can rewrite $(-1)^6 (5^{-2}) (5^{-4})^{-3}$ as $(1)(5^{-2}) (5^{-4 \cdot (-3)})$; does this help you solve the problem?