Writing negative exponents with positive exponents (powers to a power rule)

Use the product to a product rule and simplify. Write your answers in positive exponents.

a) \( (x^2)^{-6} \)  
b) \( (x^{-5})^2 \)  
c) \( (x^{-6})^{-4} \)  
d) \( (x^{-7})^2 \)

a) \( (x^3)^{-5} \)  
b) \( (x^{-3})^3 \)  
c) \( (x^{-2})^{-3} \)  
d) \( (x^{-8})^3 \)