



# Exponents (Power of a power)

By Using the law Power of a power,  
write each expression in a single exponent.  $(x^m)^n = x^{mn}$

1) $(4^5)^2$ _____	2) $(10^3)^4$ _____	3) $(-3^6)^3$ _____
4) $(-2^5)^{-2}$ _____	5) $(4.5^{-3})^3$ _____	6) $(4^{-3})^{-4}$ _____
7) $\left(\left(\frac{2}{3}\right)^2\right)^4$ _____	8) $\left(\left(\frac{5}{7}\right)^5\right)^2$ _____	9) $\left(\left(\frac{-1}{7}\right)^{-3}\right)^2$ _____
10) $\left(\left(\frac{11}{16}\right)^{-4}\right)^{-3}$ _____	11) $\left(\left(\frac{15}{19}\right)^5\right)^{-3}$ _____	12) $\left(\left(\frac{-5}{13}\right)^{-2}\right)^{-4}$ _____