Codingal

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) $\left(\left(\frac{-5}{13}\right)^{-2}\right)^{-4}$

LIVEWORKSHEETS