

Power of a power

Write each expression as a single power.

1. $(10^{-3})^{-2} =$ _____

2. $(10^{-1})^4 =$ _____

3. $(10^{-3})^3 =$ _____

4. $(3^3)^4 =$ _____

5. $(7^5)^3 =$ _____

6. $(5^5)^3 =$ _____

7. $(4^3)^3 =$ _____

8. $(6^{-1})^{-4} =$ _____

9. $(3^{-3})^2 =$ _____

10. $(3^5)^4 =$ _____

11. $(6^5)^2 =$ _____

12. $(5^3)^4 =$ _____