

Power of a power

Write each expression as a single power.

1. $(3^5)^2 =$ _____

2. $(6^4)^4 =$ _____

3. $(6^{-3})^3 =$ _____

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

5. $(6^4)^3 =$ _____

6. $(3^{-1})^4 =$ _____

7. $(6^3)^{-4} =$ _____

8. $(10^{-2})^2 =$ _____

9. $(10^3)^3 =$ _____

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

11. $(5^{-1})^{-3} =$ _____

12. $(3^4)^2 =$ _____