

1. 3^4

2. Simplify $(p)(p)(p)(p)$

3. $2^0 + 1^0$

4. $\frac{0}{1} + 0^1$

5. $(-2)^{10} - 2^{10}$

6. $(x^5)(x)(x^3)$

7. $(5x^4)^2$

8. $\left(\frac{-3}{5}\right)^2$

9. $\left(\frac{x}{3y^3}\right)^3$

10. $(-1)^{200} - (-1)^{225}$

11. $\left(\frac{x^{10}}{x^3} \times x\right)^2$

12. $\frac{a^6}{a} \div \frac{a^3}{a^5}$

13. $\frac{(-2)^{50}}{(-2)^{47}}$

14. $\frac{(-3)^{1000}}{-3^{998}}$

$$15. 3(+3)^3 + (-1)^3$$

$$16. \frac{5ab^3c}{15a^3b^5}$$

$$17. ((3x^3)^2)^2$$

$$18. a^2 \left(\frac{4ab^5}{6a^5b^3c^4} \right)^2$$

$$19. -\left(-\frac{2}{3}\right)^2 - (-2)^3 - \left(\frac{(-3)^5}{-3^4}\right)^2$$

$$20. \text{Solve } 27 = 9^{3x}$$

$$21. \text{Solve } 2^{1-2x} = \frac{2^9}{2^x}$$