

Exponents Day 1 Homework

DO NOT USE A CALCULATOR

1. $2^3 =$

$2^2 =$

$2^1 =$

$2^0 =$

$2^{-1} =$

$2^{-2} =$

2. Evaluate $(-2)^5$

3. Evaluate -2^5

4. Evaluate x^3 for $x = -4$

5. Evaluate 2^{-6}

6. Evaluate $(-3)^{-3}$

7. Evaluate 5^0

8. Write as a negative exponent

$$\frac{1}{8^2}$$

9. Write as a negative exponent

$$\frac{1}{x^6}$$

10. Write as a negative exponent

$$\frac{1}{25^{25}}$$

11. Simplify: $x^3x^5y^2y^6$

12. Simplify: $2x^3 \cdot 3x^5 \cdot 6x^2$

13. Simplify: $\frac{2a^4b^3}{4a^2b^0}$

14. Simplify: $\frac{16v^{25}}{4v^{30}}$

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