

NAME: _____
EXPONENTS

DATE: _____
PERIOD: _____

REVIEW

Write each expression below as a positive exponent.

1. $\frac{(-2)^{10}}{(-2)^5}$	2. $(b^4)^2$	3. $(-1)^3 \cdot (-1)^2$
4. 6^{-4}	5. $8^6 \div 8^2$	6. $-3y^0$

Write each expression as an integer or as a fraction.

7. $4^7 \div 4^4$	8. $5^{-5} \cdot 5^5$
9. $3^{10} \div 3^{13}$	10. $2^{-3} \cdot 2^2$

Write each expression using a single exponent.

11. $\frac{2^{15}}{2^3 \cdot 2^5}$	12. $\frac{a^{10}}{a^6} \cdot \frac{a^7}{a^4}$
13. $(7^3)^4 \cdot 7^5$	14. $(2^3)^6 \div 2^8$

NAME: FRIEDS
EXPONENTS

DATE: _____
PERIOD: _____

REVIEW

Write each expression below as a positive exponent.

1. $\frac{(-2)^{10}}{(-2)^5}$ $(-2)^{10-5} = (-2)^5$	2. $(b^4)^2$ $b^{4 \cdot 2} = b^8$	3. $(-1)^3 \cdot (-1)^2$ $(-1)^{3+2} = (-1)^5$
4. 6^{-4} $\frac{1}{6^4}$	5. $8^6 \div 8^2$ $8^{6-2} = 8^4$	6. $-3y^0$ $-3 \cdot y^0$ $-3 \cdot 1 = -3$

Write each expression as an integer or as a fraction.

7. $4^7 \div 4^4$ $4^{7-4} = 4^3 = 4 \cdot 4 \cdot 4 = 64$	8. $5^{-5} \cdot 5^5$ $5^{-5+5} = 5^0 = 1$
9. $3^{10} \div 3^{13}$ $3^{10-13} = 3^{-3} = \frac{1}{3^3} = \frac{1}{3 \cdot 3 \cdot 3} = \frac{1}{27}$	10. $2^{-3} \cdot 2^2$ $2^{-3+2} = 2^{-1} = \frac{1}{2^1} = \frac{1}{2}$

Write each expression using a single exponent.

11. $\frac{2^{15}}{2^3 \cdot 2^5} = \frac{2^{15}}{2^8} = 2^7$	12. $\frac{a^{10}}{a^6} \cdot \frac{a^7}{a^4}$ $a^4 \cdot a^3 = a^7$
13. $(7^3)^4 \cdot 7^5$ $7^{12} \cdot 7^5 = 7^{17}$	14. $(2^3)^6 \div 2^8$ $2^{18} \div 2^8 = 2^{10}$