

Name _____



Apply The Law

Directions: Simplify each expression. Choose the correct law of exponents for every problem. The questions become more challenging as you go.

1. $3^2 \times 3^4$	2. $8^7 \div 8^2$
3. $(5^3)^2$	4. $(2 \times 7)^3$
5. $(18 \div 6)^2$	6. 9^0
7. $x^5 \times x^3$	8. $y^9 \div y^4$
9. $(m^2)^5$	10. $(3a)^4$
11. $(12b \div 4)^2$	12. $(x^3y^2)(x^4y^5)$
13. $(a^6b^4) \div (a^2b)$	14. $(2p^2q^3)^2$