

Name: _____

Date: _____

Product: add exponents. Quotient: subtract. Power to a power: multiply. Last two are challenge problems!

1. $x^3 * x^4 = ?$

show your work

2. $x^8 / x^2 = ?$

show your work

3. $(x^3)^2 = ?$

show your work

4. $2^3 * 2^2 = ?$ (as a number)

show your work

5. $(3x)^2 = ?$

show your work

6. $(-2x^2)^3 = ?$

show your work

7. $x^5 * x = ?$

show your work

8. $(4x^3)(2x^2) = ?$

show your work

9. $(2x^2y)^3 \cdot x = ?$

★ CHALLENGE

show your work

10. $12x^7 / (3x^2)^2 = ?$

★ CHALLENGE

show your work