

Name: _____

Date: _____

Anything⁰ = 1. A negative exponent means 'flip it': $x^{-n} = 1/x^n$. Last two are challenge problems!

1. $5^0 = ?$

show your work

2. $x^0 = ?$ (x not 0)

show your work

3. $2^{-1} = ?$

show your work

4. $2^{-3} = ?$

show your work

5. $x^{-4} = ?$ (positive exponents only)

show your work

6. $(1/3)^{-1} = ?$

show your work

7. $10^{-2} = ?$ (as a decimal)

show your work

8. $x^3 * x^{-5} = ?$

show your work

9. $(2x^{-2})/(x^{-5}) = ?$

★ CHALLENGE

show your work

10. Evaluate $(3^0 + 2^{-2}) * 8$. ★ CHALLENGE

show your work