

1.  $5^0 = ?$

Any nonzero base to the 0

**Answer: 1**

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

Same rule

**Answer: 1**

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

Flip:  $1/2^1$

**Answer:  $1/2$**

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

$1/2^3$

**Answer:  $1/8$**

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

Flip to the denominator

**Answer:  $1/x^4$**

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

Flipping a fraction flips it back

**Answer: 3**

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

$1/100$

**Answer: 0.01**

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

Add:  $3 + (-5) = -2$

Then flip

**Answer:  $1/x^2$**

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

Subtract:  $-2 - (-5) = 3$

**Answer:  $2x^3$**

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

$1 + 1/4 = 5/4$

$(5/4)(8)$

**Answer: 10**