

Name: _____

Powers Worksheet #2

Rewrite the expressions without negative exponents in standard form. ← multiplied out

1) $5^2 \cdot 5^2$

2) $7^3 \cdot 7^{-5}$

3) $2^{-6} \cdot 2^6$

4) $4^4 \cdot 4^{-1}$

5) $5^7 \cdot 5^{-10}$

Rewrite the expressions without negative exponents and leave them in POWER form.

6) $c^5 \cdot c^7$

7) $b^3 \cdot b^{-3}$

8) $p^{-5} \cdot p^7$

9) $y^5 \cdot y^{-7}$

10) $x^{-5} \cdot x^{-7}$

11) $c^{-13} \cdot c$

Rewrite the expressions without negative exponents and leave them in POWER form.

$$1) \frac{5^5}{5^3}$$

$$2) 7^3 \div 7^{-5}$$

$$3) \frac{4^6}{4^5}$$

$$4) w^{-2} \div w^6$$

$$5) \frac{2^2}{2^{-2}}$$

$$6) 6^{-1} \div 6^{-4}$$

$$7) \frac{10^2}{10^3}$$

$$8) 6^4 \div 6$$

$$9) \frac{11^8}{11^8}$$

$$10) b^{-3} \div b^4$$

$$11) \frac{p^{-2}}{p^7}$$

Rewrite the expressions without negative exponents and leave them in POWER form.

1) $(a^2)^6$

2) $(b^{-3})^4$

3) $(c^8)^{-5}$

4) $(d^{-9})^{-2}$

5) $(e^8)^7$

$$6) (f^{-6})^4$$

$$7) (g^8)^{-1}$$

$$8) (h^{-2})^{-3}$$

$$9) (k^8)^{10}$$

$$10) (m^{-3})^{-3}$$

$$11) (n^7)^{-3}$$