



Math worksheet on 'Exponents - Power Law with Prime Base (Negatives, Exponent with Power to Exponent) (Level 1)'. Part of a broader unit on 'Exponents - Negative, Fractional, and Power Law'

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1 Find the answer when this term is raised to its exponent

$$(3^{-6})^4$$

a	b	c
3^0	3^{-2}	3^{-24}
d	e	
3^{-22}	3^{-28}	

2 Find the answer when this term is raised to its exponent

$$(2^{-3})^6$$

a	b	c
2^{-180}	2^{-18}	2^{-1}
d		
2^3		

3 Find the answer when this term is raised to its exponent

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

a	b	c
2^0	2^{-160}	$2^{-1,600}$
d		
2^{-16}		

4 Find the answer when this term is raised to its exponent

$$(7^{-1})^5$$

a	b	c
7^{-4}	7^{-5}	7^0

5 Find the answer when this term is raised to its exponent

$$(2^{-6})^2$$

a	b	c
2^{-1}	2^{-9}	2^{-13}
d	e	
2^{-11}	2^{-12}	

6 Find the answer when this term is raised to its exponent

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

a	b	c
3^{-7}	3	3^0
d		
3^{-6}		

7 Find the answer when this term is raised to its exponent

$$(3^{-4})^6$$

a	b	c
3^0	3^{-20}	3^{-24}
d		
3^2		