171 point Practice quiz on Exponents and Logarithms variant powers i. Revente the number 784 = 2 x 2 x 2 x 2 x 7 x 7 using exponents. © (2*) (7*) © (2*) (7*) © (2*) (9*) © (10*) (40*)

ri	2. What is $(x^2-5)^0$?	6
	\bigcirc (x^2) – 5	
	4-0	
	\bigcirc (x^2)	
	Comet	
	Any real number (except zero) raised to the zeroith" power $=1$.	
osi	3. Simplify $((x-5)^2)^{-3}$	
	\bigcirc $(x-5)^{-5}$	
	○ (x − 5)	
	$\bigcirc (x-5)^{-1}$	
	$ (x-5)^{-6} $	
	/ Correct	
	By Rule 2, "Power to a Power," multiply the exponents and get:	
	$(x-5)^{(2 imes-3)}=(x-5)^{-6}$	
	By the definition of negative exponents, this is equal to $\frac{1}{(x=5)^6}$	



