October 3, 2018 11:01 AM

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	L	Operat	ions w	ith Exp	ronents		
	Name:Block_						
	In Chapter 1 we pof operations. N						
		×	M Left to		D right		
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	cketa	0	T I	D lette	ers that	R	
	e +	Ŋ	P	E star	nd for your bers	A C	
	S Determining the	5 Product of a P	Sowor.		Variables	T	
				o officient	V - 3V	. 0	
		e the power	numb		y = 7x	* 8	anumbe
	(2) multiply	by the coefficie	nt. with attache	1 to it	coefficient ope	rator $+ - x \stackrel{\sim}{\cdot}$	itself
	Expression	Coefficient	Power	Repeated	Multiplication	Value	
	3(4)3	3	(4)3	3 x 4	x 4 x 4	192	
	<mark>2</mark> (-2) ³	2	$(-2)^3$	2.(-2)). (-2).(-2)	-16	
ď	· exa	nent	2 base	(+) . (→ · ○ =	6	1
Coeff	base	1	2^3	-1.2.	2.2	-8	
				Ö.	5 = 6		
	PRACTICE						
	Evaluate each ex	rpression:		wer			
coel	a) 3 6) ²	,	b) 2(-4) ²		c) -4 ⁶		1601
	3.6.6=	108	2. (-4).(- E)	4) = 32 =0	-1.4.4.	4.4.4 .4 5 4	1096
	d) -3(2) ⁴	·	e) -3(-5) ³	· ·	f) 5•-6 ³		
	£3 · 2· 2· 2·	a = =48	-3.(-5).(-	5).(-5)	5.=(6.	6·6)	
			-3.	125	5.=(a		
				5 7 5		= =1080	

Evaluate Expressions with Powers Evaluate expressions with powers using the proper order of operations (BEDMAS) PRACTICE a) $7 + 3(-2)^3$ b) $4 - (2 + 3)^2 \div 25$ 7+3.(-2)(-2)(-2) 4-(5) 3-25 7+3-(-8) 4-(25) = 25 7+(-24) 7=24=-17 even exponents C) 5(4)3 ÷ (-2)4 5(4) ÷ (16) (5×64) ÷ 16 d) [(-7)² - (-2)⁶]² [(44)-(44)]~ 5-15 72 320 - 16 = 20 -15 · -15 = 225 G · G = (1) variables.... f) $\frac{-16+(-3)^2}{(6-2)^2-(-4)^2}$ cannot divide byzero g) $[5(-4)^3]^2$ (-4)·(-4)·(-4)= [5.(-64)]2 [-320]² (-320) - (-320)= 102 400 81 + 32768 = 32849

