	Examining Po	wers	and Bases Name:	11 .
Solv	ve each problem.	<u>Answers</u>		
1)	Which equation has only 5 as a possible value of x? A. $x^3 = 125$ B. $x^2 = 15$ C. $x^2 = 25$ D. $x^3 = 15$	2)	Which equation has both 6 and -6 as a possible value of x? A. $x^2 = 216$ B. $x^2 = 36$ C. $x^2 = 12$ D. $x^3 = 36$	1.
3)	Which equation has both 5 and -5 as a possible value of x? A. $x^3 = 125$ B. $x^2 = 125$ C. $x^2 = 10$ D. $x^2 = 25$	4)	Which equation has only 10 as a possible value of x? A. $x^2 = 100$ B. $x^2 = 1000$ C. $x^3 = 30$ D. $x^3 = 1000$	4.
5)	Which equation has both 10 and -10 as a possible value of x? A. $x^2 = 20$ B. $x^2 = 100$ C. $x^3 = 1000$ D. $x^3 = 20$	6)	Which equation has both 4 and -4 as a possible value of x? A. $x^2 = 16$ B. $x^3 = 8$ C. $x^2 = 8$ D. $x^3 = 64$	8.
7)	Which equation has only 4 as a possible value of x? A. $x^3 = 64$ B. $x^3 = 12$ C. $x^2 = 64$ D. $x^3 = 16$	8)	Which equation has only 7 as a possible value of x? A. $x^2 = 49$ B. $x^3 = 343$ C. $x^3 = 49$ D. $x^2 = 343$	
9)	Which equation has only 8 as a possible value of x? A. $x^3 = 24$ B. $x^2 = 512$ C. $x^3 = 512$ D. $x^2 = 64$	10)	Which equation has both 9 and -9 as a possible value of x? A. $x^2 = 81$ B. $x^3 = 18$ C. $x^2 = 729$ D. $x^3 = 729$	

Examining Powers and Bases Name: Answ Solve each problem.					
1)	Which equation has only 5 as a possible	2)	Which equation has both 6 and -6 as a	Answers	
,	value of x?	,	possible value of x?	1. A	
	A. $x^3 = 125$ B. $x^2 = 15$		A. $x^2 = 216$ B. $x^2 = 36$	2. B	
	C. $x^2 = 25$ D. $x^3 = 15$		C. $x^2 = 12$ D. $x^3 = 36$	3. D	
				4. D	
3)	-	4)	Which equation has only 10 as a possi- value of x?	5. B	
	possible value of x? A. $x^3 = 125$		A. $x^2 = 100$	J	
	B. $x^2 = 125$ C. $x^2 = 10$		B. $x^2 = 1000$ C. $x^3 = 30$	6. <u>A</u>	
	D. $x^2 = 25$		D. $x^3 = 1000$	7. <u>A</u>	
5)		0		8. <u>B</u>	
5)	Which equation has both 10 and -10 as a possible value of x?	6)	Which equation has both 4 and -4 as a possible value of x?	9. <u>C</u>	
	A. $x^2 = 20$ B. $x^2 = 100$		A. $x^2 = 16$ B. $x^3 = 8$	10. A	
	C. $x^3 = 1000$ D. $x^3 = 20$		C. $x^2 = 8$ D. $x^3 = 64$		
7)	Which equation has only 4 as a possible	8)	Which equation has only 7 as a possible		
	value of x? A. $x^3 = 64$		value of x? A. $x^2 = 49$		
	B. $x^3 = 12$		B. $x^3 = 343$		
	C. $x^2 = 64$ D. $x^3 = 16$		C. $x^3 = 49$ D. $x^2 = 343$		
9)	Which equation has only θ as a possible	10)	Which equation has both 0 and 0 as a		
9)	Which equation has only 8 as a possible value of x?	10)	Which equation has both 9 and -9 as a possible value of x?		
	A. $x^3 = 24$ B. $x^2 = 512$		A. $x^2 = 81$		
	B. $x^{2} = 512$ C. $x^{3} = 512$		B. $x^3 = 18$ C. $x^2 = 729$		
	D. $x^2 = 64$		D. $x^3 = 729$		

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