Ex	amining Powers and Bases	Name:
Solve each problem.		Answers
1) Which equation has both 9 a possible value of x? A. $x^2 = 729$ B. $x^3 = 81$ C. $x^2 = 81$ D. $x^3 = 18$	nd -9 as a 2) Which equation has by possible value of x? A. $x^3 = 12$ B. $x^2 = 216$ C. $x^3 = 216$ D. $x^2 = 36$	both 6 and -6 as a 1 2 3
3) Which equation has both 8 a possible value of x? A. $x^2 = 64$ B. $x^3 = 64$ C. $x^2 = 16$ D. $x^3 = 512$	and -8 as a 4) Which equation has a value of x? A. $x^3 = 49$ B. $x^3 = 343$ C. $x^2 = 343$ D. $x^2 = 21$	only 7 as a possible 4
5) Which equation has only 6 a value of x? A. $x^2 = 36$ B. $x^3 = 216$ C. $x^2 = 216$ D. $x^2 = 18$	s a possible 6) Which equation has a value of x? A. $x^3 = 1000$ B. $x^2 = 30$ C. $x^2 = 1000$ D. $x^3 = 100$	only 10 as a possible 8.
7) Which equation has only 4 a value of x? A. $x^3 = 12$ B. $x^2 = 64$ C. $x^2 = 12$ D. $x^3 = 64$	s a possible 8) Which equation has a value of x? A. $x^3 = 512$ B. $x^2 = 64$ C. $x^3 = 24$ D. $x^2 = 24$	only 8 as a possible
9) Which equation has only 9 a value of x? A. $x^3 = 729$ B. $x^2 = 729$ C. $x^2 = 27$ D. $x^3 = 27$	s a possible 10) Which equation has possible value of x? A. $x^2 = 125$ B. $x^3 = 125$ C. $x^2 = 25$ D. $x^3 = 25$	both 5 and -5 as a

Examining Powers and BasesName:Answer KeySolve each problem.Answer		
Which equation has both 9 and -9 as a possible value of x?	2) Which equation has possible value of x?	both 6 and -6 as a
A. $x^2 = 729$ B. $x^3 = 81$	A. $x^3 = 12$ B. $x^2 = 216$	2. D
C. $x^2 = 81$ D. $x^3 = 18$	C. $x^3 = 216$ D. $x^2 = 36$	3. A
Which equation has both 8 and -8 as a	4) Which equation has	only 7 as a possible
possible value of x? A. $x^2 = 64$	value of \hat{x} ? A. $x^3 = 49$	5. <u>B</u>
B. $x^{3} = 64$ C. $x^{2} = 16$ D. $x^{3} = 512$	B. $x^3 = 343$ C. $x^2 = 343$ D. $x^2 = 21$	6. <u>A</u> 7. D
D. A = 012	D. K = 21	8. A
Which equation has only 6 as a possible value of x?	6) Which equation has value of x?	only 10 as a possible 9. A
A. $x^{2} = 36$ B. $x^{3} = 216$ C. $x^{2} = 216$ D. $x^{2} = 18$	A. $x^3 = 1000$ B. $x^2 = 30$ C. $x^2 = 1000$ D. $x^3 = 100$	10. <u>C</u>
Which equation has only 4 as a possible	8) Which equation has	only 8 as a possible
value of x? A. $x^3 = 12$ B. $x^2 = 64$	value of x? A. $x^3 = 512$ B. $x^2 = 64$	
C. $x^2 = 12$ D. $x^3 = 64$	C. $x^3 = 24$ D. $x^2 = 24$	
Which equation has only 9 as a possible value of x?	10) Which equation has possible value of x?	
A. $x^3 = 729$ B. $x^2 = 729$	A. $x^2 = 125$ B. $x^3 = 125$	
C. $x^2 = 27$ D. $x^3 = 27$	C. $x^2 = 25$ D. $x^3 = 25$	

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