Examining Powers and Bases N olve each problem.		Answer
2)	Which equation has only 4 as a possible value of x?	1
	A. $x^2 = 64$ B. $x^2 = 12$	2
	C. $x^3 = 16$ D. $x^3 = 64$	3
4)		4
	value of x? A. $x^3 = 49$ B. $x^2 = 21$	5 6
	C. $x^3 = 21$ D. $x^3 = 343$	7
6)	Which equation has only 9 as a possible value of x?	8
	A. $x^2 = 729$ B. $x^3 = 729$ C. $x^3 = 27$ D. $x^2 = 81$	10
8)		
	A. $x^3 = 36$ B. $x^3 = 216$	
	C. $x^2 = 216$ D. $x^3 = 18$	
10)	Which equation has both 7 and -7 as a possible value of x?	
	A. $x^2 = 49$ B. $x^3 = 343$ C. $x^3 = 49$	
	4) 6) 8)	 A. x² = 64 B. x² = 12 C. x³ = 16 D. x³ = 64 4) Which equation has only 7 as a possible value of x? A. x³ = 49 B. x² = 21 C. x³ = 21 D. x³ = 343 6) Which equation has only 9 as a possible value of x? A. x² = 729 B. x³ = 729 C. x³ = 27 D. x² = 81 8) Which equation has only 6 as a possible value of x? A. x³ = 36 B. x³ = 216 C. x² = 216 D. x³ = 18 10) Which equation has both 7 and -7 as a possible value of x? A. x² = 49 B. x³ = 343

Examining Powers and Bases Name: A			Answer Key Answer
Which equation has both 4 and -4 as a possible value of x?	2)	Which equation has only 4 as a possible value of x?	1. D
A. $x^3 = 16$ B. $x^2 = 64$		A. $x^2 = 64$ B. $x^2 = 12$	2. D
C. $x^2 = 8$ D. $x^2 = 16$		C. $x^3 = 16$ D. $x^3 = 64$	3. C
			4. D
Which equation has only 5 as a possible value of x?	4)	Which equation has only 7 as a possible value of x ?	5. B
A. $x^2 = 125$ B. $x^3 = 25$ C. $x^3 = 125$		A. $x^{3} = 49$ B. $x^{2} = 21$ C. $x^{3} = 21$	6. B
D. $x^3 = 15$		C. $x = 21$ D. $x^3 = 343$	7. <u>C</u>
			8. B
Which equation has only 10 as a possible value of x?	6)	Which equation has only 9 as a possible value of x?	9. <u>A</u>
A. $x^2 = 1000$ B. $x^3 = 1000$ C. $x^2 = 30$		A. $x^2 = 729$ B. $x^3 = 729$ C. $x^3 = 27$	10. A
D. $x^3 = 30$		D. $x^2 = 81$	
Which equation has both 6 and -6 as a possible value of x?	8)	Which equation has only 6 as a possible value of x?	
A. $x^3 = 216$ B. $x^2 = 12$		A. $x^3 = 36$ B. $x^3 = 216$	
C. $x^2 = 36$		C. $x^2 = 216$	
D. $x^2 = 216$		D. $x^3 = 18$	
Which equation has both 9 and -9 as a	10)	Which equation has both 7 and -7 as a	
possible value of x? A. $x^2 = 81$		possible value of x? A. $x^2 = 49$	
B. $x^2 = 729$		A. $x^{2} = 49$ B. $x^{3} = 343$	
C. $x^2 = 18$		C. $x^3 = 49$	