





1 ANSWER: 64,000
2 ANSWER: -4. EXPLANATION: The number whose cube is 64 is 4. Because x^3 must be negative, x must also be negative.
3 ANSWER: -7. EXPLANATION: The second number is -1 cubed, or -1. This is 6 greater than u, so we subtract to get the answer.
4 ANSWER: -8.00243. EXPLANATION: The second number is -0.3 to the fifth power, or -0.00243. This is 8 greater than v, so we subtract to get the answer.
5 ANSWER: -5.936. EXPLANATION: The second number is 0.4 cubed, or 0.064. This is 6 greater than t, so we subtract to get the answer.

	6 ANSWER: -7.99999. EXPLANATION: The second number is 0.1 to the fifth power, or 0.00001. This is 8 greater than t, so we subtract to get the answer.
	7 ANSWER: 2 and -3. EXPLANATION: You can factor x^2 + x to be x(x+1). These are consecutive integers that multiply to a product of 6. The first two such integers that come to mind are 2 and 3, and of course, -3 and -2 form the other solution.
	8 ANSWER: 2401
	9 ANSWER: 8,100
1	0 ANSWER: 3,375

11 A	NSWER:	9		
b	y x^1, the	8x^1. EXPLANATION Extraction is a second context of the equation.		
13 A	NSWER:	961		
14 A	NSWER:	1,600		
15 A	NSWER:	614,125		