MASSACHUSETTS MATHEMATICS LEAGUE DECEMBER 2004 ROUND 2 ELEMENTARY NUMBER THEORY

ANSWERS

	ANSWERS	
	A)_	
	B)_	
	C)_	
A)	Three men who are no longer teenagers find the product of their current ages is 26,390. Find the sum of their current ages.	
B)	How many positive integers less than 500 each have exactly divisors?	three different positive integer
C)	Find all primes of the form $8n^3 - 2197$	