VEDIC MATHEMATICS - LEVEL 3

Multiply using appropriate sutras:

16	X	99	=					64	X	9	=					72	X	11	=					58	X	22	=				
37	X	99	=					73	X	9	=					89	X	11	=					34	X	22	=				
58	X	99	=					49	X	999	=					94	X	11	=					43	X	22	=				
46	X	99	=					67	X	999	=					45	X	12	=					67	X	33	=				
33	X	99	=					95	X	999	=					39	X	12	=					78	X	33	=				
14	X	99	=					29	X	999	=					28	X	12	=					45	X	33	=				
	54				26				73				66				89				21				25				44		
	x 42				x 71				x 45				x 74				x 27				x 29				x 87				x 46		
	73				36				55				38				25				12				26				49		
	x 46				x 34				x 55				x 78				x 12				x 59				x 24				x 41		
	56				27				67				28				26				72				21				29		
	x 23				x 92				x 26				x 14				x 76				x 44				x 70				x 13		
	29				47				58				29				62				78				53				48		
	x 62				x 23				x 45				x 21				x 46				x 72				x 71				x 42		
	48				28				47				59				89				58				51				38		
	x 49				x 31				x 52				x 58				x 91				x 62				x 46				x 39		

Find the square root of:

	576	=					3721	=					3136	=					1764	=											
	1296	=					2401	=					2304	=					6724	=											
	2809	=					1444	=					2601	=					4225	=											
	3969	=					5184	=					7056	=					1089	=											
	784	=					841	=					529	=					6241	=											

Find Cube root of:

	32768	=					17576	=					421875	=					195112	=											
	12167	=					74088	=					59319	=					15625	=											
	13824	=					46656	=					389017	=					681472	=											
	389017	=					205379	=					2744	=					3375	=											
	531441	=					68921	=					9261	=					140608	=											

Solve:

			(4a-2b) (2a+b)							(2a+b) (6a-3b)							(2x-2y) (2x-5y)								(5x-15y) (4x-5y)						

Find Squares of:

29^2		=					44^2		=																						
38^2		=					76^2		=																						
47^2		=					143^2		=																						
56^2		=					652^2		=																						
65^2		=					175^2		=																						

Find Cubes of:

11^3		=					24^3		=																						
67^3		=					52^3		=																						
33^3		=					19^3		=																						
65^3		=					27^3		=																						
91^3		=					43^3		=																						