	Time taken per multiplication in nano seconds			
Num of	ITERATIVE	STANDARD	RECURSIVE	RECURSIVE FAST
digits	ADDITION	MULTIPLICATION	MULTIPLICATION	MULTIPLICATION
2	6288	1186.75	2866.5	2230.25
4	749641.6	661.25	3079.25	4799.75
8	9.35983622E+09	1867	11540	16825.5
16	Too slow	53634	63999.75	99680.75
32	S	95399	234591.5	269746
64	S	229408.3	953614.5	1088675
128	S	566835.5	4334794.5	1789519
256	S	2093820	13684645	4917855
512	S	5777422	47805778.5	10711352
1024	S	13138167	185468377.5	34895067
2048	S	47952933	644015494.5	93063128
4096	S	1.7E+08	2376475604	2.9E+08

b) Time taken for 8192 digits:

iterative addition:

Standard multiplication: 637742912 ns

Recursive multiplication: 9108208422 ns

Recursive fast multiplication: 993426177 ns

d) Formulas:

iterative addition : $t=1E+06n^2-6E+06n+8E+06$

Standard multiplication: $t = 8.9023n^2 + 4942n - 10841$

Recursive multiplication: $t = 129.58n^2 + 50769n - 5E+06$

Recursive fast multiplication : $t = 12.267n^2 + 20895n - 970098$

e) after what point does recursive fast multiplication becomes faster than :

Recursive multiplication: after 100 digits

Standard multiplication: It never is

Iterative addition: it always is