

Answer on Question#38292 - Math - Calculus

Sketch the graph of the function

$$y = \sin(x^2), \quad -2\pi \leq x \leq 2\pi.$$

Solution:

Using Excel we obtain some values of the functions x^2 and $\sin x^2$:

$\sim x$	$\sim x^2$	$\sim y = \sin(x^2)$
-2π	39,47842	0,978341
-6	36	-0,99887
-4	16	-0,44609
-2	4	-0,78395
-1,508	2,274	0,762802
0	0	0
1	1	0,847176
4,147	17,197	-0,99664
5	25	-0,11831
5,73	32,84	0,988653
2π	39,47842	0,978341

Thus, we have



