## **COMPOUND INTEREST**



b) Calculate the amount of money she has after 5 years.

Menu, Finance, Finance Solver	This screen appears:
Menu, Finance, Finance Solver     I Actions     I Actions	This screen appears:     Finance Solver     Image:
N: 8 I(%): 4 PV: -6000 Pmt: 0. FV: 8211.4143024317 PpY: 1 Finance Solver info stored into tvm.n, tvm.i, tvm.pv, tvm.pmt,	



Finance Solver
PV: 0.8211.41
Pmt: 0.
FV: 10026.103641462
PpY: 1
CpY: 12
Finance Solver info stored into
tvm.n, tvm.i, tvm.pv, tvm.pmt,

## Example 2

Tom invested \$4000 in a bank offering interest at a rate of 5% p.a. compounded quarterly.

- a) Calculate the amount of money that Tom has in a bank after 6 years.
- b) How much interest did he earned over the 6 years?
- c) How long does it take for his money to double?

a)	b)
Finance Solver     PV:     -4000     Pmt:     0.     FV:     5389.4042016574     PpY:     1     CpY:     4     Finance Solver info stored into     tvm.n, tvm.i, tvm.pv, tvm.pmt,	1.1 2.1 *Doc RAD (1)   tvm.fv 5389.4   5389.4042016574-4000 1389.4   1389.4042016574   ▶
c)	So it would take 14 years for his money to double.



Finance Solv	er	22	PV needs to be entered with a negative sign.
N:	13.94940762100	7 -	
I(%):	5	-	
PV:	-4000	-	
Pmt:	0.	-	
FV:	8000	-	
PpY:	1	*	
CpY:	4	*	
PmtAt:	END 💌		
Edit N	umber of Paymen	ts, N	

