VBk Practical Mathematics and Microsoft Excel Course
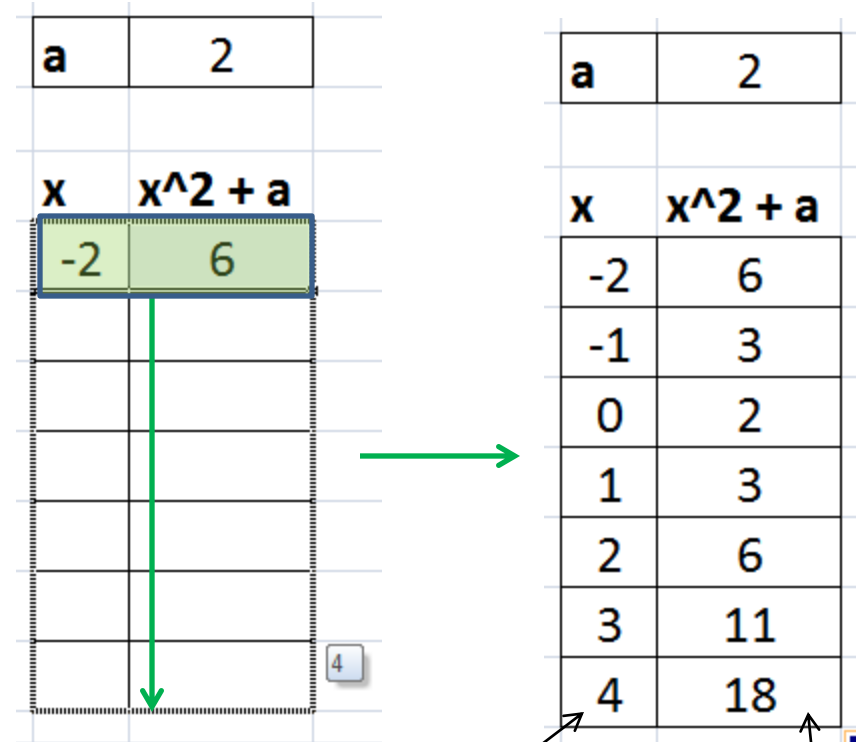
Replicating Formulae

WINCHESTER
COLLEGE

In Excel one can use formulae to relate cells, i.e. compute the value of one cell based upon the value of another. **c5** refers to *column* C and *row* 5.

$= c5\char94 2 + \$d\$2$

$=c5+1$

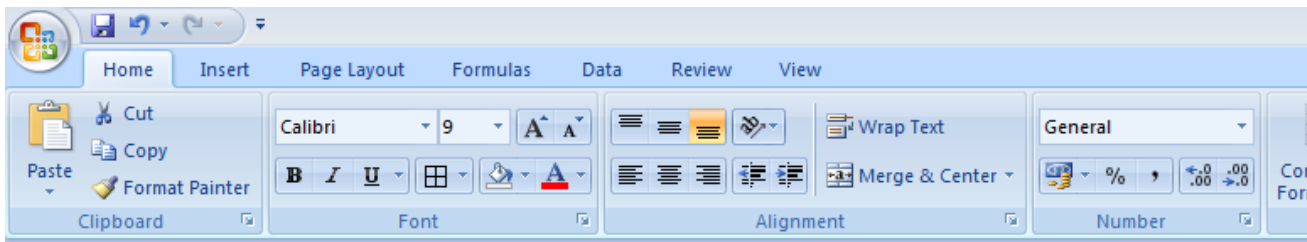|	A	B	C	D	E
1					
2			a	2	
3					
4			x	x^2 + a	
5			-2	6	
6			-1		
7					
8					
9					
10					
11					
12					

Dragging a cell downwards (or copying then pasting it elsewhere) will **replicate** the formulae. **$** prefixes will *fix the cell reference* (e.g. the parameter **a** = 2 in cell **D2**). Otherwise the cell reference in the formula *will change with the cell position.*
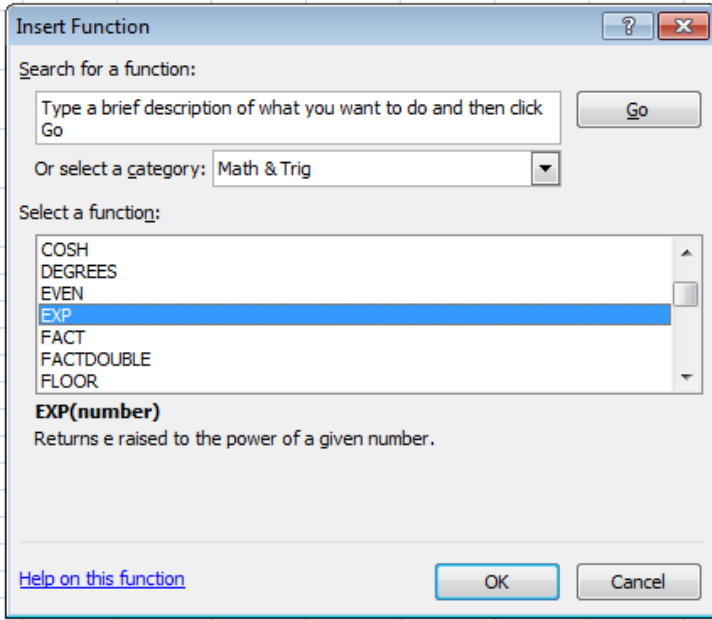
a	2
x	x^2 + a
-2	6

$= c10+1$

a	2
x	x^2 + a
-2	6
-1	3
0	2
1	3
2	6
3	11
4	18

$= c11\char94 2 + \$d\$2$

The f_x function button allows one to choose from a wide variety of cell formulae. Explanation and syntax is given in the **Insert Function box.** Note functions can be typed in *directly* if you can remember them!

Insert Function

Search for a function:

Type a brief description of what you want to do and then click Go   [Go]

Or select a category: Math & Trig

Select a function:

COSH
DEGREES
EVEN
EXP
FACT
FACTDOUBLE
FLOOR

EXP(number)
Returns e raised to the power of a given number.

Help on this function   [OK]   [Cancel]

=EXP(C8)