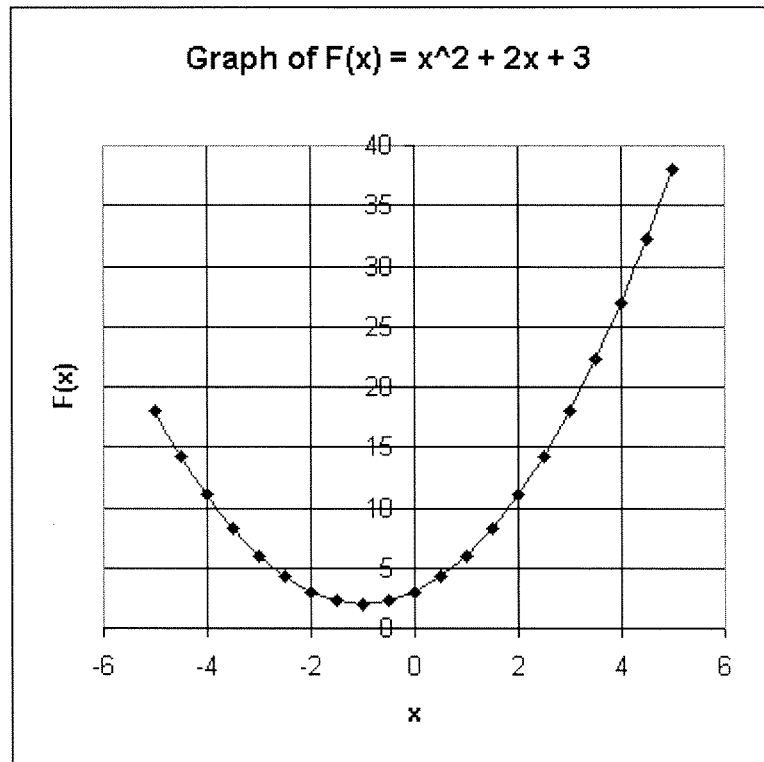


MATH 160 Session #5 – Using Excel

x	f(x)
-5.00	18.0000
-4.50	14.2500
-4.00	11.0000
-3.50	8.2500
-3.00	6.0000
-2.50	4.2500
-2.00	3.0000
-1.50	2.2500
-1.00	2.0000
-0.50	2.2500
0.00	3.0000
0.50	4.2500
1.00	6.0000
1.50	8.2500
2.00	11.0000
2.50	14.2500
3.00	18.0000
3.50	22.2500
4.00	27.0000
4.50	32.2500
5.00	38.0000



Complete the table and note any patterns you can find.

$F(x) = ax^2 + bx + c, \quad -5 \leq x \leq 5$			Maximum Point		Minimum Point	
a	b	c	x	F(x)	x	F(x)

Graph the following two functions on the same pair of axes.

$$F(x) = 2x + 3, \quad 0 \leq x \leq 10$$

$$G(x) = 30 - 3x, \quad 0 \leq x \leq 10$$