CS 1 Lab 4

1. Create the table using the pattern below:

Table of powers

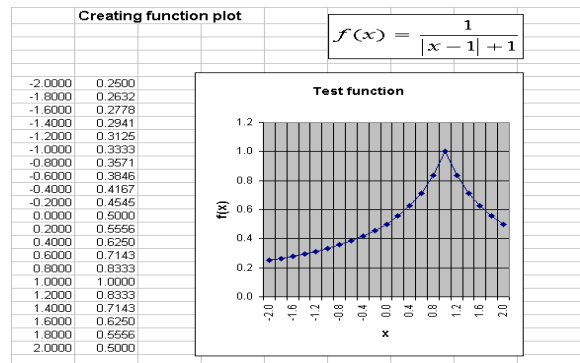| 1	2	3	4	...
1	1	1	1	...
2	4	8	16	...
3	9	27	81	...

2.Create the table calculating the car prices (pick 5 models you like best):

	Model	Price in $	Price in zł (net)	Vat (20%)	Price in zł (gross)	Number of cars	Total cost (zł)
1							

Do not forget about rounding off the numbers (this is NOT the same as formatting the cell) !!!!!!

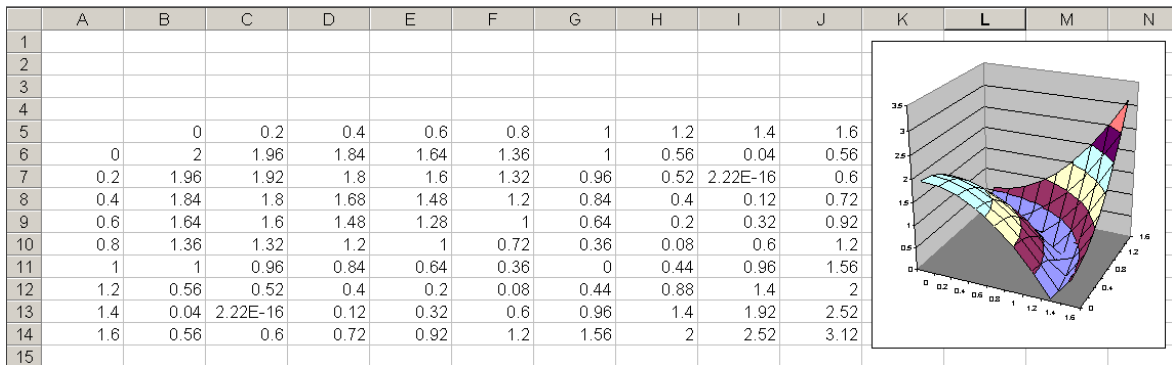**3**.Create the 2D function plot.

- Insert {-2, -1.8} into cells A6, A7, mark both cells and copy the content until the line 26
- Insert B6-{=1/(MODUŁ.LICZBY(A6-1)+1)} and copy the contents [MODUŁ.LICZBY = number module]
- Mark the area B6:B26
- Activate the plot wizzard
- Create the plot

$$f(x) = \frac{1}{|x-1|+1}$$

4. Create the plot of the 3D function.

- Insert {0, 0.2} into cells B5,C5, mark both cells and copy the content until the column J
- Insert {0, 0.2} into cells A6,A7, mark both cells and copy the content until the row 14
- Insert B6 {=(MODUŁ.LICZBY(2-($A6*$A6+ B$5* B$5))} and copy the contents to B6:J14
- Mark the area A6:J14
- Activate the plot wizzard
- Create the surface plot

5.Create spreadsheet for calculating the roots of the quadratic equation.

- C3   - Object - Microsoft Equation 3
- B7   - =d5*d5-4*b5*f5
- B9   - =JEŻELI(b7>0;2;JEŻELI(b7=0;1;0))
- F9   - =JEŻELI(b9>0;(-d5-PIERWIASTEK(b7)/(2*b5); ”brak”)
- F10   - copy from F9 and modify