Console

Transformed Equations are=

(10x(1)) + (2x(2)) + (-1x(3)) + (2x(4))= -4
(1x(1)) + (5x(2)) + (1x(3)) + (0x(4))= 1
(1x(1)) + (-2x(2)) + (-5x(3)) + (1x(4))= 2
(3x(1)) + (0x(2)) + (0x(3)) + (-9x(4))= 10

r	x1	x2	x3	x4
0.	0.	0.	0.	0.
1.	- 0.4	0.28	- 0.592	- 1.2444444
2.	- 0.2663111	0.3716622	- 0.850816	- 1.1998815
3.	- 0.3194377	0.4340507	- 0.8774841	- 1.2175904
4.	- 0.3310405	0.4417049	- 0.8864081	- 1.2214579
5.	- 0.3326902	0.4438197	- 0.8883575	- 1.2220078
6.	- 0.3331981	0.4443111	- 0.8887656	- 1.2221771
7.	- 0.3333034	0.4444138	- 0.8888616	- 1.2222122
8.	- 0.3333265	0.4444376	- 0.8888828	- 1.2222199
9.	- 0.3333318	0.4444429	- 0.8888875	- 1.2222217
10.	- 0.3333330	0.4444441	- 0.8888886	- 1.2222221
11.	- 0.3333333	0.4444444	- 0.8888888	- 1.2222222
12.	- 0.3333333	0.4444444	- 0.8888889	- 1.2222222

After 11 iterations exact solution is:
x1=-0.333333 x2=0.444444 x3=-0.888889 x4=-1.222222