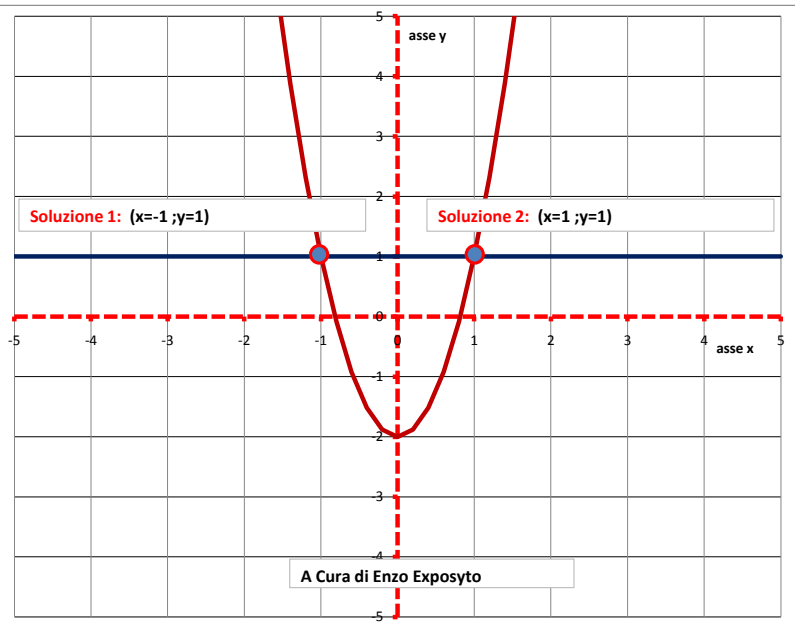


Soluzione Grafica: dalle Tabelle ai Grafici

$$\left\{ \begin{array}{l} y_1 = 3,0x^2 + 0,0x - 2,0 \\ y_2 = 0,0x + 1,0 \end{array} \right.$$

$x \quad y_1 = ax^2 + bx + c \quad y_2 = mx + q$

-5,0	73,0	1,0
-4,8	67,1	1,0
-4,6	61,5	1,0
-4,4	56,1	1,0
-4,2	50,9	1,0
-4,0	46,0	1,0
-3,8	41,3	1,0
-3,6	36,9	1,0
-3,4	32,7	1,0
-3,2	28,7	1,0
-3,0	25,0	1,0
-2,8	21,5	1,0
-2,6	18,3	1,0
-2,4	15,3	1,0
-2,2	12,5	1,0
-2,0	10,0	1,0
-1,8	7,7	1,0
-1,6	5,7	1,0
-1,4	3,9	1,0
-1,2	2,3	1,0
-1,0	1,0	1,0
-0,8	-0,1	1,0
-0,6	-0,9	1,0
-0,4	-1,5	1,0
-0,2	-1,9	1,0
0,0	-2,0	1,0
0,2	-1,9	1,0
0,4	-1,5	1,0
0,6	-0,9	1,0
0,8	-0,1	1,0
1,0	1,0	1,0
1,2	2,3	1,0
1,4	3,9	1,0
1,6	5,7	1,0
1,8	7,7	1,0
2,0	10,0	1,0
2,2	12,5	1,0
2,4	15,3	1,0
2,6	18,3	1,0
2,8	21,5	1,0
3,0	25,0	1,0
3,2	28,7	1,0
3,4	32,7	1,0
3,6	36,9	1,0
3,8	41,3	1,0
4,0	46,0	1,0
4,2	50,9	1,0
4,4	56,1	1,0
4,6	61,5	1,0
4,8	67,1	1,0
5,0	73,0	1,0



Soluzione Analitica - Metodo $y_1=y_2$

a) $\left\{ \begin{array}{l} y_1 = 3,0x^2 + 0,0x - 2,0 \\ y_2 = 0,0x + 1,0 \end{array} \right. \quad \text{SISTEMA}$

b) $\left\{ \begin{array}{l} y_1 = y_2 \\ 3,0x^2 + 0,0x - 2,0 = 0,0x + 1,0 \end{array} \right.$

c) $\left\{ \begin{array}{l} y_1 = y_2 \\ 3,0x^2 + 0,0x - 2,0 + 1,0 = 0 \end{array} \right.$

d) $\left\{ \begin{array}{l} y_1 = y_2 \\ 3,0x^2 + 0,0x - 3,0 = 0,0 \end{array} \right.$

e) $\left\{ \begin{array}{l} y_1 = y_2 \\ x_1 = \frac{-b_1 - \text{rad}q(b_1^2 - 4a_1c_1)}{2a_1} = -1,0 \text{ vale per parabola e retta} \\ x_2 = \frac{-b_1 + \text{rad}q(b_1^2 - 4a_1c_1)}{2a_1} = 1,0 \text{ vale per parabola e retta} \end{array} \right.$

f) $\left\{ \begin{array}{l} y_1 = 3,0x_1^2 - 1,0x_1 - 1,0 \\ y_2 = 3,0x_2^2 + 1,0x_2 - 2,0 \end{array} \right.$

g) $\left\{ \begin{array}{l} y_1 = 1,0 \\ y_2 = 1,0 \end{array} \right. \quad \text{parabola}$

h) $\left\{ \begin{array}{l} y_1 = 0,0x_1 - 1,0 + 1,0 \\ y_2 = 0,0x_2 + 1,0 \end{array} \right. \quad \text{retta}$

g) $\left\{ \begin{array}{l} y_1 = 1,0 \\ y_2 = 1,0 \end{array} \right. \quad \text{retta}$

s₁) $\left\{ \begin{array}{l} x_1 = -1,0000000000 \\ y_1 = 1,0000000000 \end{array} \right. \quad \text{SOLUZIONE 1}$

s₂) $\left\{ \begin{array}{l} x_2 = 1,0000000000 \\ y_2 = 1,0000000000 \end{array} \right. \quad \text{SOLUZIONE 2}$