

Non linear systems of equations

Solve the system

$$\begin{aligned} 1) \quad & x^2 - y = -2 \\ & -x + y = 4 \end{aligned}$$

$$\begin{aligned} 2) \quad & x^2 + y = 1 \\ & 2x + y = 2 \end{aligned}$$

$$\begin{aligned} 3) \quad & x^2 + y = 5 \\ & -x + y = -1 \end{aligned}$$

$$\begin{aligned} 4) \quad & x^2 + y^2 = 1 \\ & x^2 - y = -1 \end{aligned}$$

$$\begin{aligned} 5) \quad & x^2 + y^2 = 1 \\ & 2x^2 + 2y = 2 \end{aligned}$$

$$\begin{aligned} 6) \quad & x^2 + y^2 = 6 \\ & -2x^2 + y = 7 \end{aligned}$$

Non linear systems of equations solutions

Solve the system

$$\begin{aligned} 1) \quad & x^2 - y = -2 \\ & -x + y = 4 \end{aligned}$$

$(-1,3),(2,6)$

$$\begin{aligned} 2) \quad & x^2 + y = 1 \\ & 2x + y = 2 \end{aligned}$$

$(1,0)$

$$\begin{aligned} 3) \quad & x^2 + y = 5 \\ & -x + y = -1 \end{aligned}$$

$(-3,-4),(2,1)$

$$\begin{aligned} 4) \quad & x^2 + y^2 = 1 \\ & x^2 - y = -1 \end{aligned}$$

$(0, 1)$

$$\begin{aligned} 5) \quad & x^2 + y^2 = 1 \\ & 2x^2 + 2y = 2 \end{aligned}$$

$(-1,0),(0,1),(1,0)$

$$\begin{aligned} 6) \quad & x^2 + y^2 = 6 \\ & -2x^2 + y = 7 \end{aligned}$$

No solution