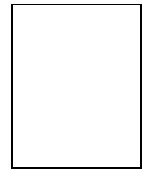


Examen de Matemàtiques Aplicades a les Ciències Socials I

Nom _____ Data: 27/01/06



Nota

1. Resol $4x^4 + 15x^2 - 4 = 0$

2. Resol
$$\left. \begin{array}{l} 5x - y = 2 \\ \frac{2+x}{y} - \frac{1}{x} = 0 \end{array} \right\}$$

3. Resol $\sqrt{3x+1} + \sqrt{1-x} = 2$

4. Resol $3^{2x-1} - 3^{x+1} + 3^{1-x} = \frac{1}{3}$

5. Resol $\log_5(2x-1) = 2 - \log_5(x+2)$

6. Resol
$$\left. \begin{array}{l} x - y + 2z = -6 \\ 3x + 4y - z = 3 \\ 3x - 3y + z = -8 \end{array} \right\}$$

7. Resol
$$\left. \begin{array}{l} 5x + 1 \leq 11 \\ x + 2 > 2x - 3 \end{array} \right\}$$

8. Resol
$$\left. \begin{array}{l} 2x + y \geq 2 \\ x - y \leq 1 \\ x > 0 \end{array} \right\}$$

