PAG. 37 N 468

$$x^3 + 9{,}1x^2 - 9{,}1x - 1 = 0 \qquad \pm 1$$

$1 \to 1 + 9{,}1 - 9{,}1 - 1 = 0$

	1	9,1	−9,1	−1
1		1	10,1	1
	1	10,1	1	//

$$(x^2 + 10{,}1x + 1)(x - 1) = 0$$

$$\Delta = 102{,}01 - 4 = 98{,}01$$

$$x = \frac{-10{,}1 \pm 9{,}9}{2} = \begin{cases} \frac{-10{,}1 + 9{,}9}{2} = \frac{-0{,}2}{2} = -0{,}1 = -\frac{1}{10} \\ \frac{-10{,}1 - 9{,}9}{2} = -\frac{20}{2} = -10 \end{cases}$$

$$x = -\frac{1}{10} \vee x = -10 \vee x = 1$$

N 486

$$\begin{cases} 3x - y^2 = 2 \\ x + y = 2 \end{cases}$$

$(6, -4) \vee (1, 1)$

$$\begin{cases} x = 2 - y \\ 3(2-y) - y^2 = 2 \end{cases}$$

$$\begin{cases} 6 - 3y - y^2 = 2 \\ / \end{cases}$$

$$\begin{cases} y^2 + 3y - 4 = 0 \\ / \end{cases}$$

$\Delta = 9 + 16 = 25$

$y = \frac{-3 \pm 5}{2}$ / $\frac{-8}{2} = -4$ \ $\frac{2}{2} = 1$

$$\begin{cases} x = 2 + 4 \\ y = -4 \end{cases} \quad \begin{cases} x = 6 \\ y = -4 \end{cases}$$

$$\begin{cases} x = 2 - 1 \\ y = 1 \end{cases} \quad \begin{cases} x = 1 \\ y = 1 \end{cases}$$

PAG. 98 N 487

$$\begin{cases} y^2-2x^2+xy-4x-5y+6=0 \\ 2x+3y=4 \end{cases} \Rightarrow 2x=4-3y$$

$$\begin{cases} y^2-2\left(\frac{4-3y}{2}\right)^2+\frac{4-3y}{2}y-\cancel{4}^{2}\cdot\frac{4-3y}{\cancel{2}}-5y+6=0 \\ x=\frac{4-3y}{2} \end{cases}$$

$$y^2-\cancel{2}\cdot\frac{16+9y^2-24y}{\cancel{4}_{2}}+\frac{4y-3y^2}{2}-8+6y-5y+6=0$$

$$\frac{2y^2}{2}$$