PAG. 101 N 528

$$\begin{cases} 4 \times^{2} + 4y^{2} = 65 \\ 2 \times + 2y - 7 = 0 \implies 2y = 7 - 2 \times \implies y = \frac{7 - 2 \times}{2} \\ 4 \times^{2} + 4\left(\frac{7 - 2 \times}{2}\right)^{2} = 65 \end{cases}$$

$$4x^{2} + 4 \cdot 49 + 4x^{2} - 28x = 65$$

$$4x^{2} + 49 + 4x^{2} - 28x - 65 = 0$$

$$\begin{cases} x = -\frac{1}{2} \\ y = \frac{7+1}{2} = 4 \end{cases} \begin{cases} x = 4 \\ y = \frac{7-8}{2} = -\frac{1}{2} \end{cases}$$

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 & \{x^2 + y^2 = 5 \} \\
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N 511

$$\begin{cases} 3x + x^{2} + 2 + y^{2} = (x + 2)^{2} + y(y - 4) & c. \epsilon. x \neq \pm 1 \\ \frac{y}{x + 4} = \frac{x - 2}{1 - x} - \frac{4}{x - 1} - (x - 4) \\ \frac{3x + x^{2} + 2 + y^{2}}{x + 4} = x^{2} + 4 + 4x + y^{2} - y \\ \frac{y(x - 4)}{(x + 4)(x - 1)} = \frac{-(x + 4)(x - 2) - 4(x + 4)}{(x + 4)(x - 4)} & (y = 2) \\ \frac{(y = 2)}{(x + 2)(x - 1)} = -(x^{2} - 2x + x - 2) - 4x - 4 \\ x^{2} - (x + 2)(x - 1) = -(x^{2} - 2x + x - 2) - 4x - 4 \\ 2x^{2} + 4x = 0 & x = 0 \\ 2x(x + 2) = 0 & x = -2 \end{cases}$$

501

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

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

$$9x^2 + 4 + 42x - 6x^2 - 6x - x - 2x - 2 = -6x - 4$$

$$3x^2 + 9x + 6 = 0$$

$$x^2 + 3x + 2 = 0$$

$$(x+1)(x+2) = 0$$

$$x = -2$$

$$(-1,0) y (-2,2)$$