

$$1) \quad \begin{cases} -4x^2 + 5y^2 \\ x^2 + 5y^2 = 25 \end{cases}$$

$$3x^2 = -9$$

$$x^2 = -3$$

$$x = \pm \sqrt{3}$$

$$2) \quad x = 1 + y$$

$$(1+y)^2 + 3y^2 - 4 - 4y - 5y - 8 = 0$$

$$1 + 2y + y^2 + 3y^2 - 4 - 4y - 5y - 8 = 0$$

$$4y^2 - 8y - 11 = 0$$

$$D = 49 + 176 = 225 = 15^2$$

$$y_1 = 2,75 \quad x_1 = 3,75$$

$$y_2 = -2 \quad x_2 = 0$$