

Q4HW7 - All work on looseleaf.

Date_____ Period_____

Solve each system of equations.

$$\begin{aligned} 1) \quad & 2x^2 - y^2 + 38x - 2y - 104 = 0 \\ & 3x + y = 2 \end{aligned}$$

$$\begin{aligned} 2) \quad & -x^2 + 2y^2 - x + 22y + 6 = 0 \\ & x + 3y + 3 = 0 \end{aligned}$$

$$\begin{aligned} 3) \quad & x^2 - x + 6y + 12 = 0 \\ & x + 2y = -4 \end{aligned}$$

$$\begin{aligned} 4) \quad & 2x^2 - 5y^2 - 44x - 2y - 147 = 0 \\ & x + y = 0 \end{aligned}$$

$$\begin{aligned} 5) \quad & -2x^2 + 7x - y + 1 = 0 \\ & -3x + y - 3 = 0 \end{aligned}$$

$$\begin{aligned} 6) \quad & -9y^2 + 7x + 3y - 9 = 0 \\ & x + 3y = 0 \end{aligned}$$

$$\begin{aligned} 7) \quad & 3y^2 + x - 18y + 17 = 0 \\ & x - 3y - 1 = 0 \end{aligned}$$

$$\begin{aligned} 8) \quad & 2y^2 - 27x - 3y - 54 = 0 \\ & 3x - y = 0 \end{aligned}$$

$$\begin{aligned} 9) \quad & x^2 + y^2 - 28x + 2y + 80 = 0 \\ & x + y + 2 = 0 \end{aligned}$$

$$\begin{aligned} 10) \quad & 2x^2 + 3x - 2y + 5 = 0 \\ & x + 2y - 3 = 0 \end{aligned}$$