

**Section 8.4: Systems of Nonlinear Equations**

**Key Topics:** system of nonlinear equations, solving systems of nonlinear equations using substitution and elimination

In systems of \_\_\_\_\_ equations, \_\_\_\_\_ equation is \_\_\_\_\_.

Solve the system of equations  $\begin{cases} x - y^2 = -3 & (1) \\ x - 4y = -7 & (2) \end{cases}$  by the Substitution Method.

Solve the same system by the Elimination Method.