SECTION 3.5: NONLINEAR SYSTEMS

Homework:

Learning Targets:

3d. Understanding of how to find solutions to nonlinear systems of equations.

Nonlinear Systems: two or more ______. You can solve by

____and find the _____. You can also

use _____ or ____

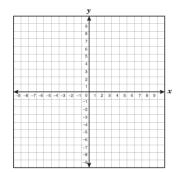
Find intersections on a calculator

- 1. Plug each equation into Y =
- 2. Find the intersection
 - a. 2nd TRACE
 - b. #5: Intersection
 - c. Move your curser to the intersection and hit enter until "Intersection" appears
 - d. Do the same process for the 2nd intersection (if there is one)

Solve by graphing and substitution.

1.
$$y = x + 6$$

 $y = \frac{1}{2}(x + 6)^2$



2.
$$y = (x + 2)^2 - 3$$

 $y = -3$

