

Name \_\_\_\_\_  
MAT 1275CO – Mr. Kan

Date \_\_\_\_\_  
Nonlinear System of Equations

Watch this video: [https://youtu.be/wl\\_tHpr1tM](https://youtu.be/wl_tHpr1tM)

1) Perform the indicated operations

a)  $\frac{+x^2}{x^2}$

b)  $\frac{-x^2}{x^2}$

c)  $\frac{+x^2}{x}$

d)  $\frac{-y^2}{y^2}$

e)  $\frac{-y}{y^2}$

f)  $\frac{+y^2}{y^2}$

2) If  $x = y - 1$ , evaluate and solve  $y^2 + x = 11$

3) If  $y = 2x + 1$ , evaluate  $y^2 + 5$

4) Fill in the blanks to make the equation true.

a)  $(\quad)3x^2 + (\quad)4x^2 = 0$

b)  $(\quad)2y^2 - (\quad)8y^2 = 0$