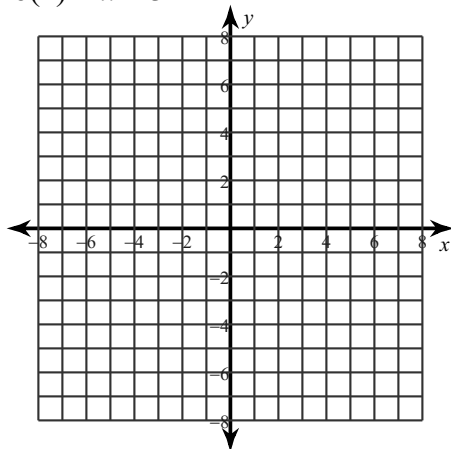Algebra 1

Name_____

HW 12.7

Date_____ Algebra_____

1) Solve the folllowing systems graphically.
   Make sure both equations are clearly labled
   as are any solutions:

   $a(x) = (x + 1)^2$
   $b(x) = x + 3$

2) Solve the system of functions from the
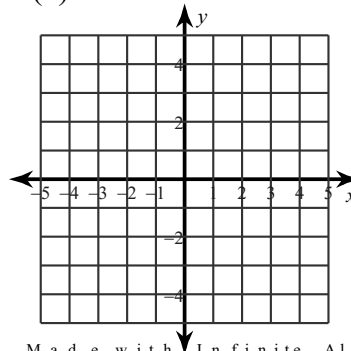   previous problem algebraically :

3) Identify the type of system:

   $m(x) = x^2 + 3x - 9$
   $n(x) = |x + 1|$

4) Sketch a GENERAL solution to the
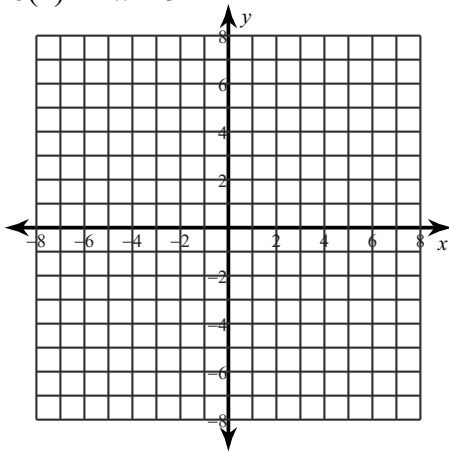   following type of system:

   a (x) : Linear
   b(x) : Cubic

5) Solve the folllowing systems graphically. Make sure both equations are clearly labled as are any solutions:

$a(x) = \left| x + 1 \right|$
$b(x) = 2x - 3$

6) Solve the system of functions from the previous problem algebraically :

7) Identify the type of system:

$p(x) = (x + 1)^3 - 3$
$q(x) = 3x - 1$

8) Sketch a GENERAL solution to the following type of system:

a (x) : Quadratic
b(x) : Absolute Value