Algebra 1 Name_____

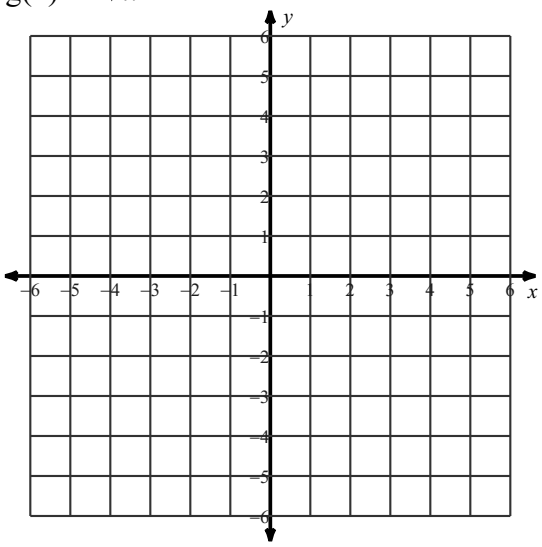
HW 11.5

Date_____ Algebra____

Solve the following systems of functions graphically. Graph each equation using the shifting method.

1) $f(x) = |x + 2| - 3$

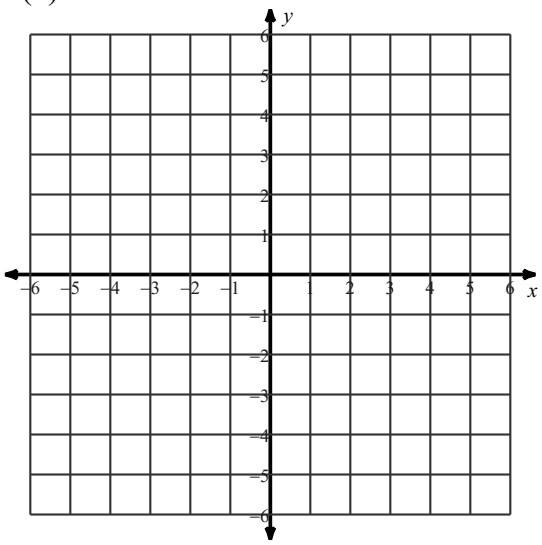
$g(x) = \sqrt{x} + 1$



2) Clearly state the solutions to the pevious problem as coordinates:

3) $a(x) = (x - 3)^2 - 2$

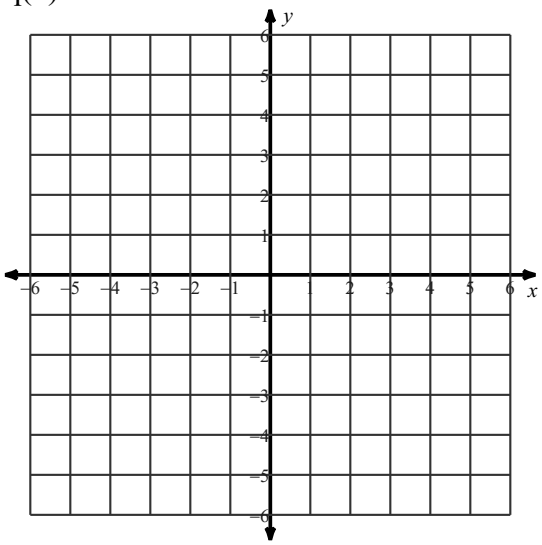
$b(x) = -x + 3$



4) Clearly state the solutions to the pevious problem as coordinates:

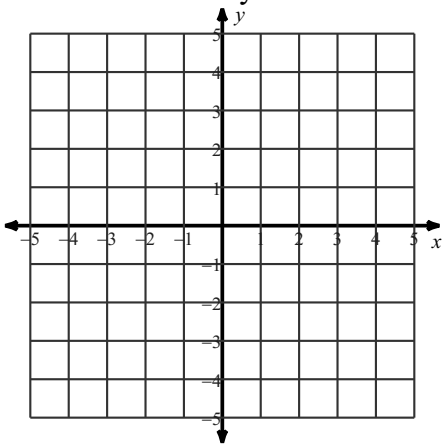
5) $p(x) = -|x| + 4$

$q(x) = -x^2$

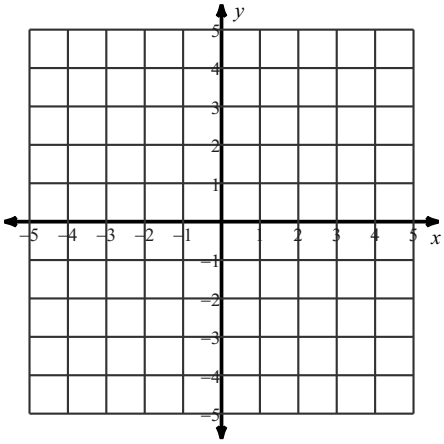


6) Clearly state the solutions to the pevious problem as coordinates:

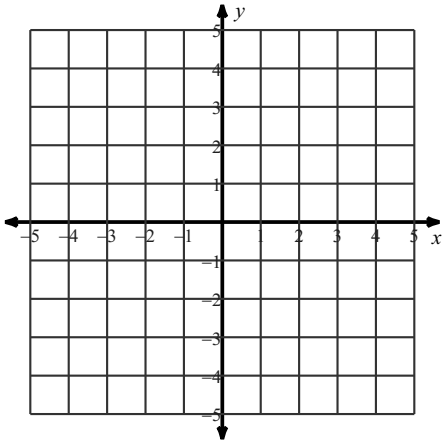
7) Draw a system of two equations on the grid below that has only ONE solution:



8) Draw a system of two equations on the grid below that has TWO solutions:



9) Draw a system of two equations on the grid below that has THREE solutions:



10) Draw a system of two equations on the grid below that has NO solutions: