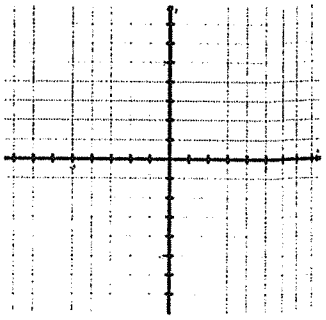
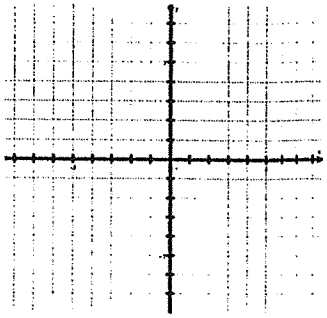
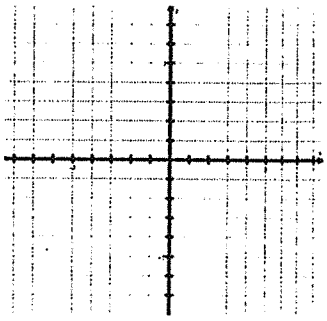
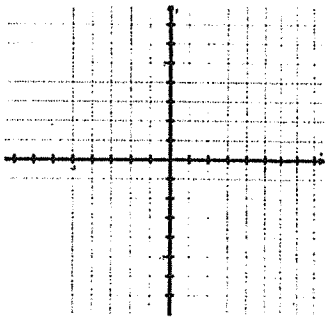
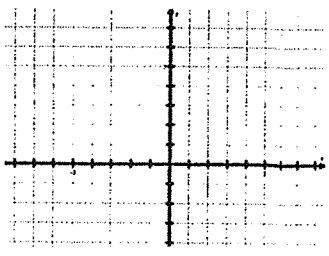
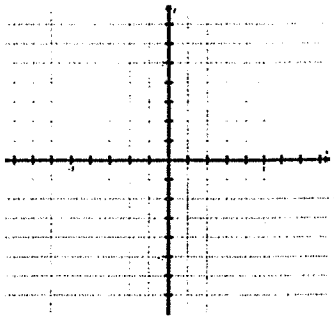
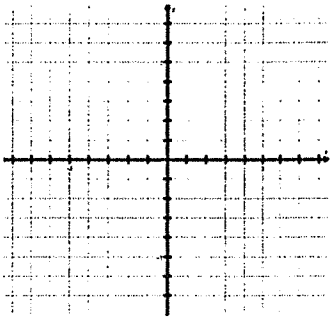
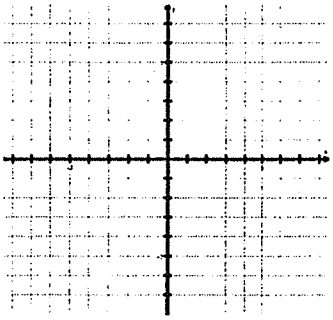
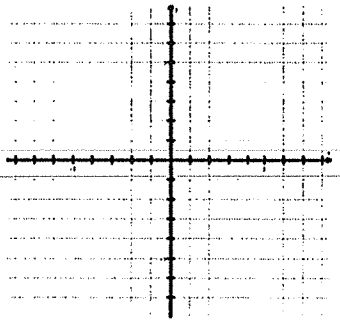
Algebra P4
HW #42

Use your base graphs to find these new graphs

*(Try it **without** looking at the handout!!)*

Equation	List the Transformations	New Graph
$y=(x-4)^2+1$	$y=x^2$ right 4, up 1	
$y=2x^2-3$	$y=x^2$ vertical stretch 2, down 3	
$y=-(x+2)^2$		
$y=\frac{1}{x}+3$		
$y=\frac{1}{x+4}-2$		

Equation	List the Transformations	New Graph
$y=3\lvert x+4\rvert$		
$y=\lvert x+2\rvert-3$		
$y=\sqrt{x-3}$		
$y=2\sqrt{x}$		
$y=\sqrt{x+2}-3$