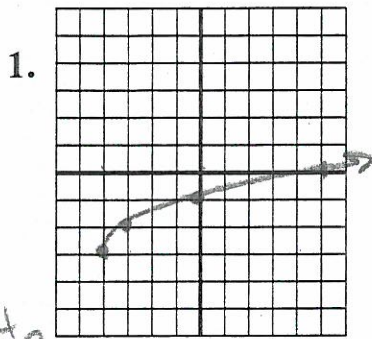


AFM – Transformations practice (1)

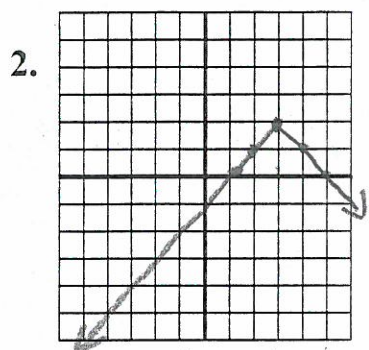
Name Key

Graph the following
NO CALCULATOR

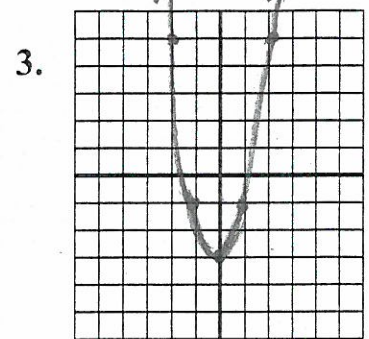


left 4
down 3

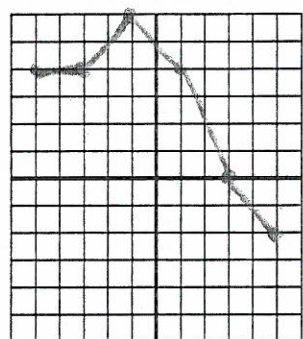
$y = \sqrt{x+4} - 3$



$y = -|x-3| + 2$
reflect
x-axis, rt 3, up 2

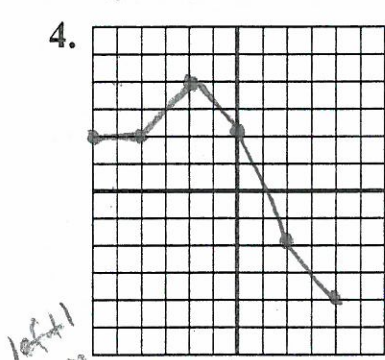


$y = 2x^2 - 3$
mult y's by 2; down 3



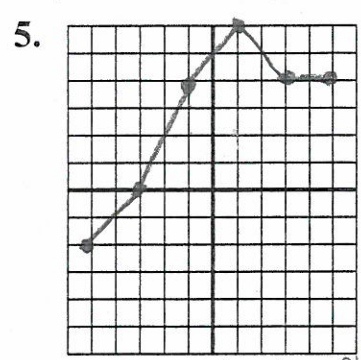
Use for
#4-8

$g(x) =$

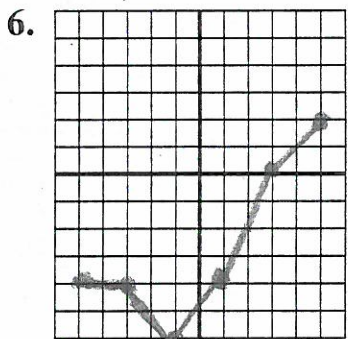


left 1
down 2

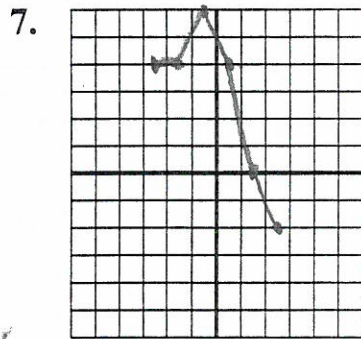
$y = g(x+1) - 2$



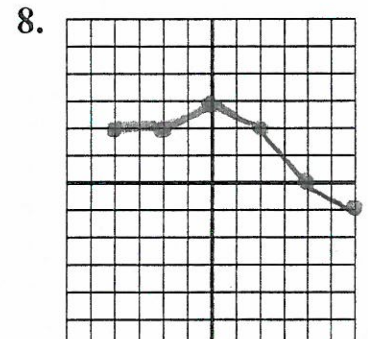
$y = g(-x)$ reflect over
y-axis



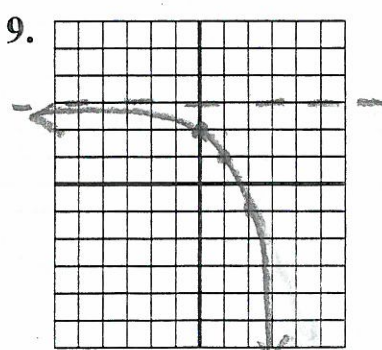
$y = -g(x)$ reflect over
x-axis



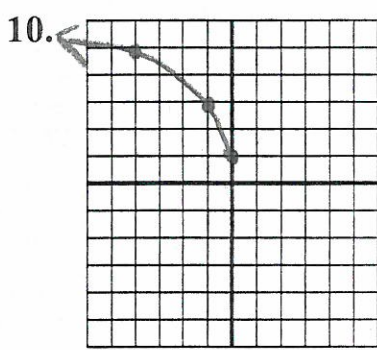
$y = g(2x)$ divide x's
by 2



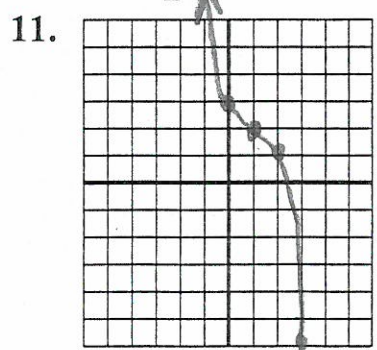
$y = \frac{1}{2} g(x-1)$ divide y's by 2
move rt 1



$y = -2^x + 3$
reflect
x-axis
up 3



$y = 2\sqrt{-x+1}$
mult y's by 2
reflect y-axis
rt 1



$y = -(x-1)^3 + 2$
reflect
x-axis
rt 1
up 2