

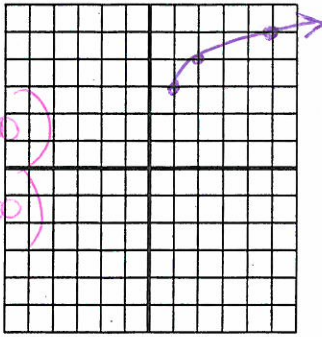
AFM – Transformations practice

Name Key

Graph the following  
NO CALCULATOR

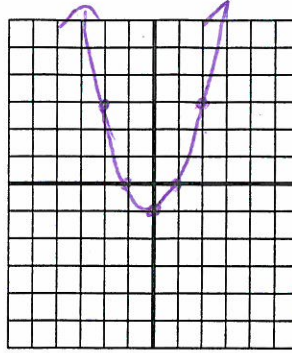
1.

$d: [1, \infty)$   
 $r: [3, \infty)$



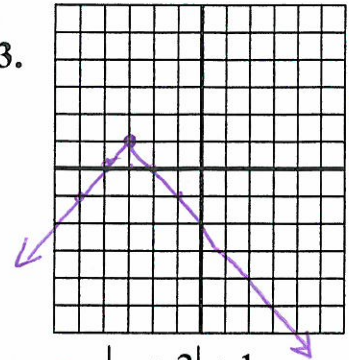
$y = \sqrt{x-1} + 3$

2.



$y = x^2 - 1$

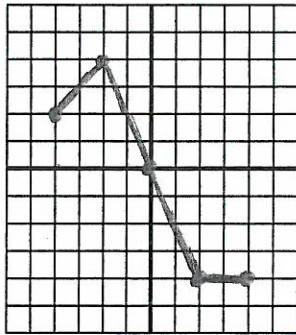
3.



$d: (-\infty, \infty)$   
 $r: (-\infty, 1]$

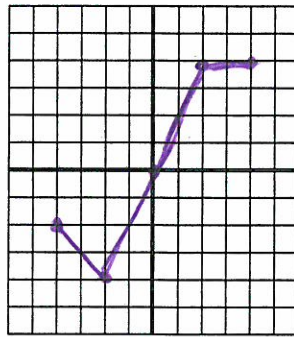
$y = -|x+3| + 1$

Use for #4-8



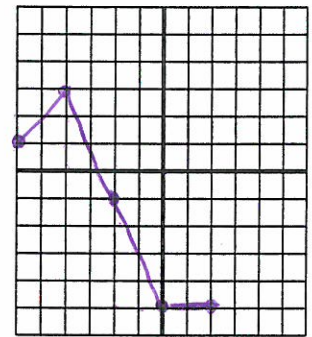
$g(x) =$

4.



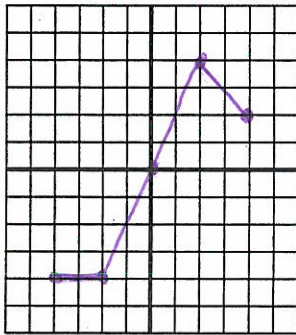
$y = -g(x)$

5.



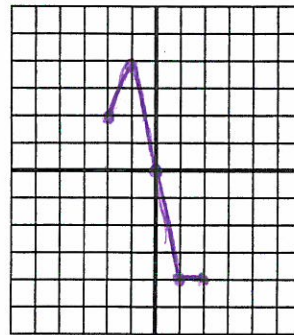
$y = g(x+2) - 1$

6.



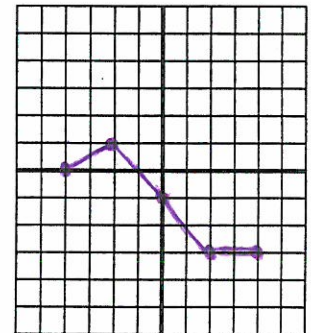
$y = g(-x)$

7.



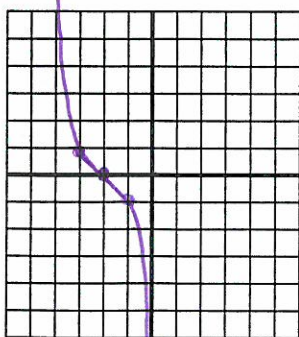
$y = g(2x)$

8.



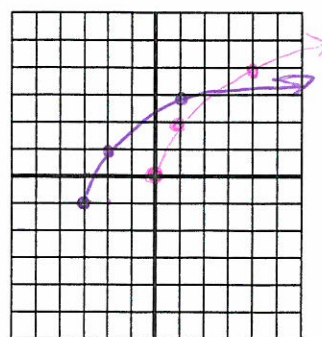
$y = \frac{1}{2}g(x) - 1$

9.



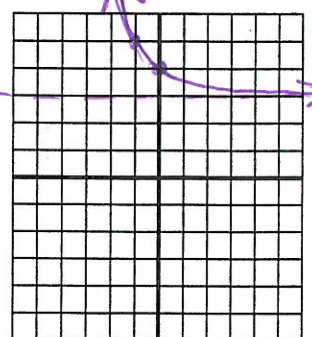
$y = -(x+2)^3$

10.



$y = 2\sqrt{x+3} - 1$

11.



$y = 2^{-x} + 3$

