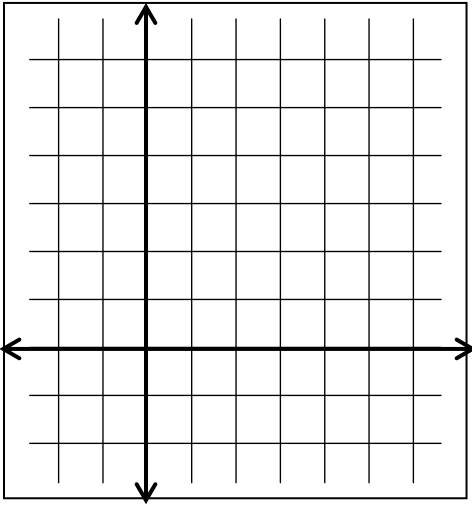


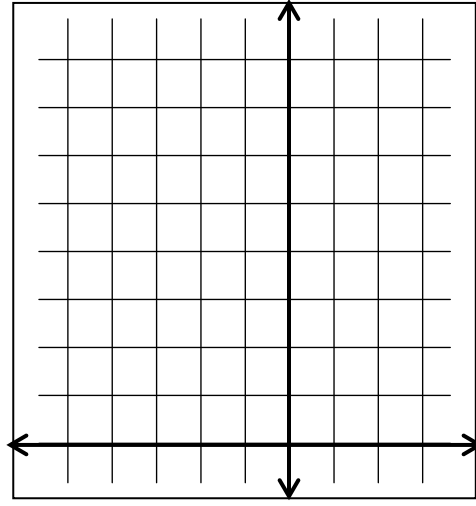
AFM - - Unit 1 GRAPHING - - TEST REVIEW SHEET #1

I. Graph

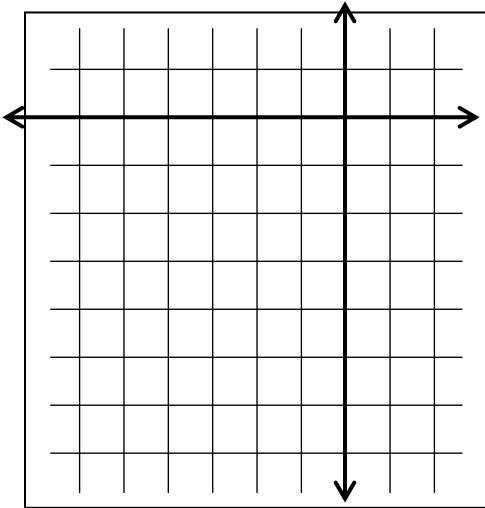
1. $y = |x - 1| + 1$



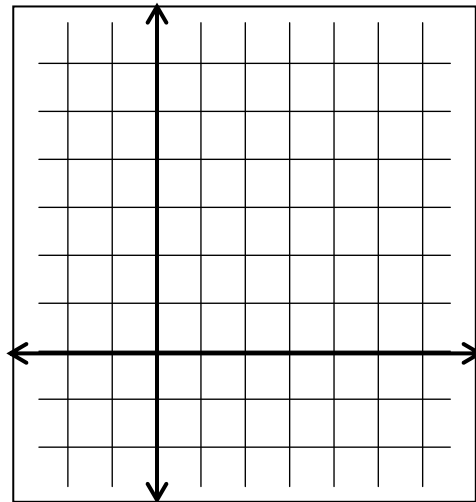
2. $y = 2\sqrt{x + 2} + 3$



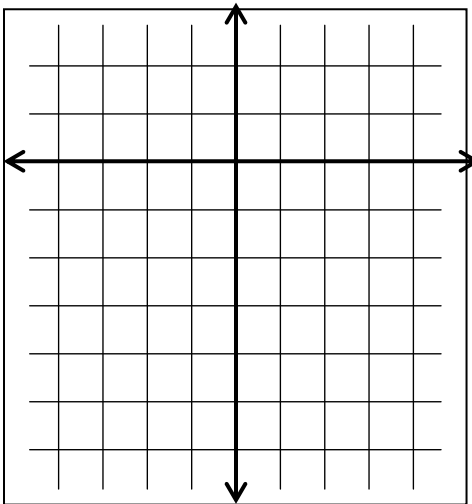
3. $y = (x + 2)^2 - 4$



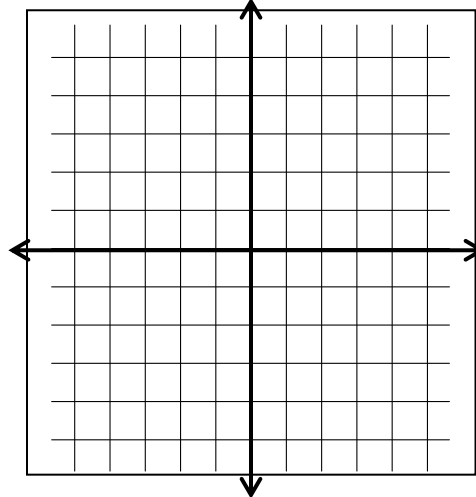
4. $y = \frac{1}{x - 1} + 3$



5. $y = [x] - 4$



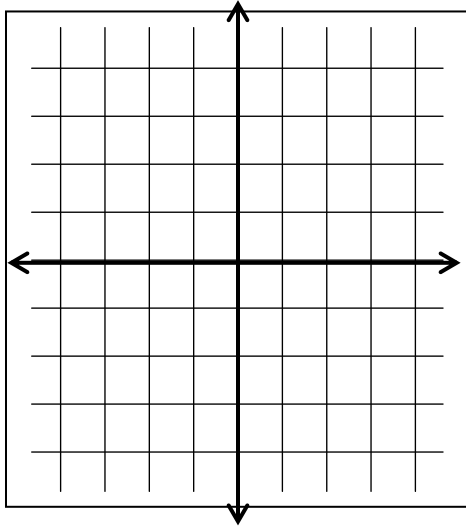
6. $y = \frac{4}{(x - 2)(x + 3)}$



7. $y = \frac{x^2 + x - 6}{x + 3}$

II. Short Answer

8. Determine all of the asymptotes of $f(x) = \frac{-4}{x^2 + 4x + 3}$.



9. Determine all of the asymptotes of $f(x) = \frac{x^2 + 6x + 13}{x + 2}$.

10. Given the following, describe the transformations to their parent graph.

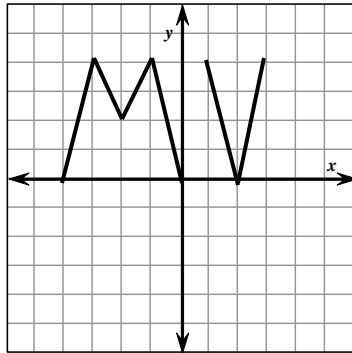
a. $y = [2x]$

b. $y = x^2 + 1$

c. $y = -3(x - 1)^3 - 4$

11. Given the following function, graph each transformation.

$f(x) =$



a. $f(x - 2)$

b. $2f(x) + 1$

c. $-f(x) - 3$

d. $f(2x) - 1$

